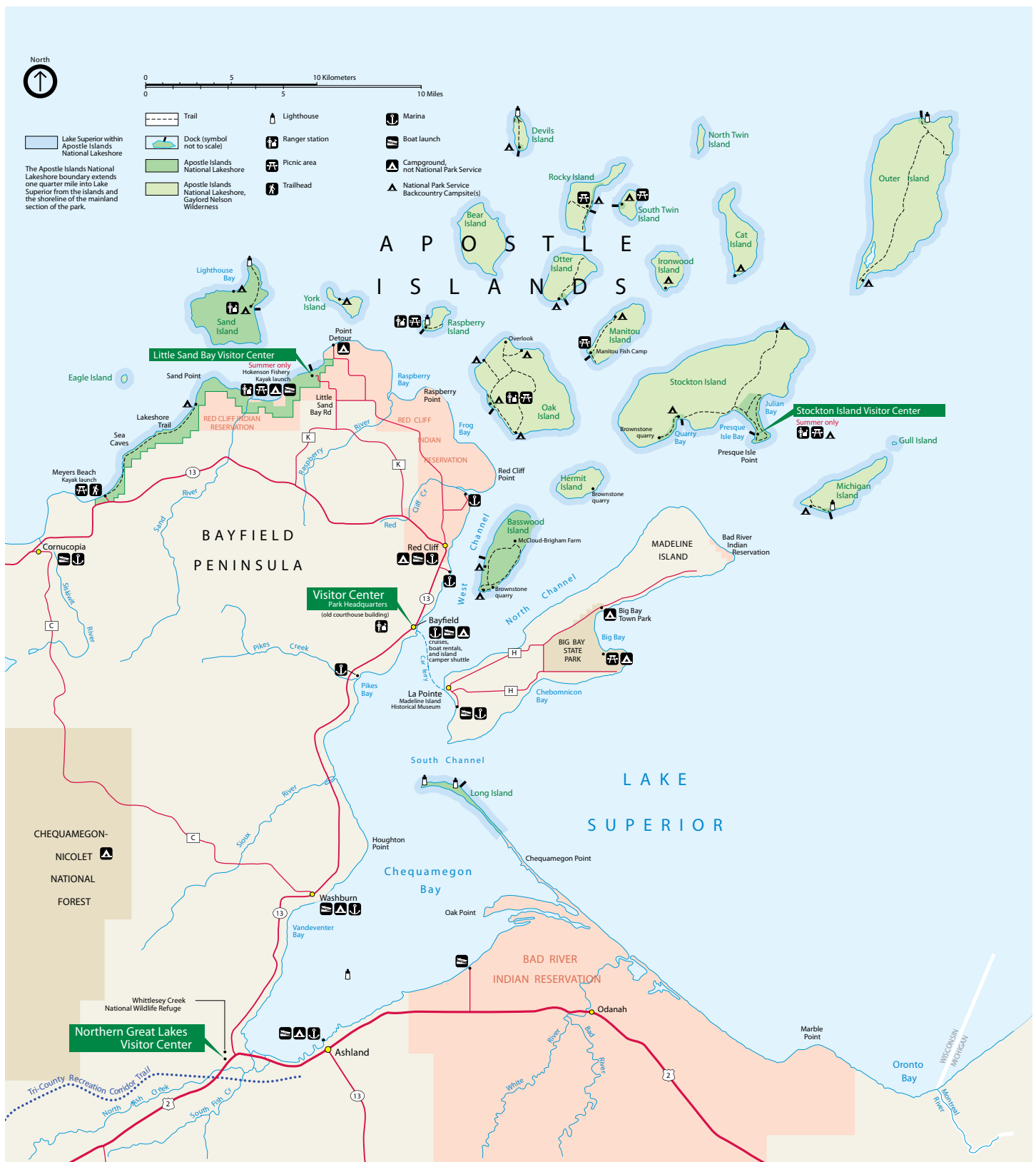


Accessibility
Self Evaluation and Transition Plan
Apostle Islands National Lakeshore





This map provides a detailed view of the Apostle Islands National Park and its surroundings in Lake Superior. The park's islands are color-coded by development tier: Tier 1 (red), Tier 2 (blue), and Tier 3 (yellow). A legend in the top left corner defines the symbols for various facilities, including lighthouses, ranger stations, picnic areas, trailheads, marinas, boat launches, campgrounds, and backcountry campsites. A scale bar indicates distances in kilometers (0 to 10) and miles (0 to 10). A north arrow is also present.

The map shows the BAYFIELD PENINSULA to the west, with the Visitor Center (Park Headquarters) and Little Sand Bay Visitor Center. The RED CLIFF INDIAN RESERVATION is located between the peninsula and the islands. The BAD RIVER INDIAN RESERVATION is to the south. The map also depicts the CHEQUAMEGON-NICOLET NATIONAL FOREST to the southwest and the Northern Great Lakes Visitor Center near Ashland. Key locations include Bayfield, Washburn, Ashland, and Odonah. The map highlights various water bodies, including Eagle Island, Sand Point, Little Sand Bay, Raspberry Bay, Frog Bay, Overlook, Oak Island, Stockton Island, Presque Isle Bay, Gull Island, Michigan Island, Madeline Island, and Long Island. It also shows the locations of several lighthouses, including the Stockton Island Lighthouse and the Ashland Lighthouse. The map includes a detailed view of the islands and their surrounding waters, showing the locations of various facilities and the boundaries of the park and reservations.

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Summary

Apostle Islands National Lakeshore (APIS) has prepared this Self Evaluation and Transition Plan to ensure we are providing comparable opportunities to experience the park to all visitors, regardless of their abilities. As a public entity, APIS is obligated to ensure that our programs, services and facilities are accessible to all visitors based on *Section 504 of the Rehabilitation Act of 1973* which prohibits discrimination against individuals based on disability.

This report was created after conducting site visits to sites and islands within the park and a review of the programs and interpretive media available to park visitors in the summer of 2011. The following documents were used as the basis for recommendations, some of which are specific to the National Park Service:

- ☐ Architectural Barriers Act of 1968
- ☐ Section 504 of the Rehabilitation Act of 1973
- ☐ Architectural Barriers Act Accessibility Standards
- ☐ Draft Final Accessibility Guidelines for Outdoor Developed Areas
- ☐ Director's Order #42: Accessibility for Visitors with Disabilities in National Park Service Programs and Services
- ☐ Programmatic Accessibility Guidelines for National Park Service Interpretive Media

The purpose of the report is to assess the current level of accessibility and identify opportunities for improvement in the programs and services offered by the park as well as the park facilities and amenities. The findings and recommendations of this report are intended to guide the park in planning for future projects and incorporating accessibility into other planned work.

Findings (Highlights)

Programs are provided to the public in a variety of formats, ranging from formal, ranger-led tours to wayside kiosks and brochures. As a smaller park, APIS has the opportunity to connect with guests individually and customize tours and information to meet their needs and interest.

Many features of accessibility are currently provided in the park, including: designated accessible parking, accessible routes to visitor centers on the mainland, assistive listening systems for videos, clear and easy to read type on brochures and wayside kiosks, an accessible campsite and the replacement of old vault toilets with accessible styles. While the features currently provided are a start, there are still many opportunities to improve accessibility. Some of the opportunities have already been identified by the park and were included in the General Management Plan released in 2011, such as creating an accessible route at Meyers Beach from the parking lot to the beach.

One of the most significant (and most challenging) issues for the park will be providing access to light stations for visitors with mobility impairments. The light stations are a unique asset in the park and are inherently challenging to provide access to due to their remote, rugged locations (typically high above the water) and historic designation. The majority of light station interpretive programming currently takes place at Raspberry Island (the only tour with an interpretive program fee), with other light station experiences available at Devils, Michigan and Sand Islands (there are light stations at Long and Outer Islands, but they are not staffed). Sand Island is the most likely location to provide an accessible route in the near future due to the relatively flat terrain between the dock and the light station and the fact that the route would not be located within the Gaylord Nelson Wilderness.

In addition to providing physical access to sites and facilities, this plan addresses other disabilities such as visual, hearing and cognitive. There are currently few interpretive media options for visitors who are blind or visually impaired, other than the video at the visitor center and talking with park staff and volunteers. The creation of tactile models and maps of the park would benefit all park visitors.

Purpose and Methodology of the Plan

This Self Evaluation and Transition Plan was created for Apostle Islands National Lakeshore (APIS) in order to ensure that sites, facilities, programs, services and activities that are provided within the park are accessible to and usable by park visitors, including those with disabilities. The transition plan identifies physical, structural and/or programmatic changes that are needed in order to make the facilities, programs, services and activities provided in the park accessible.

The preparation of a transition plan for accessibility is mandated by regulations under the Rehabilitation Act of 1973, as they apply to the U.S. Department of the Interior.

This Self Evaluation and Transition Plan is to be used as a guide for APIS staff to remove barriers to accessibility and to incorporate accessibility into future projects taking place throughout the park.

This Self Evaluation and Transition Plan was created based on site visits in the summer of 2011 to all park units that provide facilities or programs. In addition to the site visits, meetings were held with park staff and the recently adopted General Management Plan was reviewed.

Applicable Standards

There are a number of laws and regulations related to accessibility that apply to APIS for the design and construction of sites and facilities. In addition there are laws and regulations that require programs, services and activities offered by the park are accessible to and usable by people with disabilities. Director's Order #42 addresses accessibility for park visitors and includes a summary of applicable laws, regulations and standards that apply to the National Park Service.

Architectural Barriers Act of 1968 (P.L. 90-480)

This law requires all buildings and facilities built or renovated with Federal funds to be accessible to, and usable by, persons with disabilities. The U.S. Architectural and Transportation Barriers Compliance Board (the Access Board) is responsible for developing the standards for making buildings and facilities accessible.

Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112)

This law requires program accessibility in all services provided with Federal money. It states:

No otherwise qualified individual with a disability in the United States shall, solely by reason of disability, be excluded from the participation in, be denied the benefits of, or be subject to discrimination under any program or activity conducted by Federal Financial Assistance or by any Executive Agency.

Section 504 of the Rehabilitation Act of 1973 is more encompassing than the Architectural Barriers Act (which requires physical access to buildings and facilities) and extends the NPS obligation to individuals with visual, hearing and cognitive impairments in addition to mobility impairments.

As a civil rights law, Section 504 applies to existing programs and facilities, not just new construction or alterations. Section 17.549 addresses program accessibility.

Except as otherwise provided in §17.550, no qualified handicapped person shall, because the agency's facilities are inaccessible to or unusable by handicapped persons, be denied the benefits of, be excluded from participation in, or otherwise be subjected to discrimination under any program or activity conducted by the agency.

Section 17.550 provides exceptions for existing facilities and also takes into consideration historic preservation programs. The text of §17.550 is included as an attachment. Key concepts in this section include:

- ☐ Each program or activity, when viewed in its entirety, is to be operated so it is readily accessible to and usable by people with disabilities.

- ☐ Each existing facility or every part of a facility does not necessarily need to be accessible to and usable by people with disabilities.
- ☐ Any action that would substantially impair a significant historic feature of a historic property is not required.
- ☐ No action is necessary that would result in a fundamental alteration to the nature of the program or activity (must be able to demonstrate and document).
- ☐ No action is necessary that would create undue financial and administrative burdens (must be able to demonstrate and document).
- ☐ Methods of providing program access are suggested, including: reassignment of services to accessible locations and delivery of services at alternate accessible sites.
- ☐ Methods of providing program access at historic sites are suggested, including: audio-visual materials and devices to depict historic properties.

Architectural Barriers Act Accessibility Standards (ABAAS)

These standards provide the scoping and technical requirements for new construction and alterations that make up an accessible site, building or facility. The General Services Administration (GSA) adopted these standards and the effective date for use of these standards was May 8, 2006. These standards replace the Uniform Federal Accessibility Standards (UFAS). Any new construction or alteration projects are subject to these standards.

Draft Final Accessibility Guidelines for Outdoor Developed Areas

These guidelines were issued on October 19, 2009 and were written to eventually be incorporated into ABAAS. They cover features commonly found in outdoor developed areas including: camping, picnic, viewing areas, trails and beach access. Any new construction or alteration projects are subject to these standards. These guidelines are currently considered the best available information and are not yet enforceable, however they are a requirement for all Denver Service Center projects.

Director's Order #42: Accessibility for Visitors with Disabilities in National Park Service Programs and Services

Director's Order #42 provides information on accessibility specific to the NPS, including implementation strategies and NPS policies.

Director's Order #42 goes beyond the minimum requirements of the applicable laws and standards. The stated goal of this Director's Order is "...that the NPS will seek to provide the highest level of accessibility that is reasonable, not simply provide the minimum level required by law." It also includes the concept of "universal design", which aims for sites and facilities to be usable by and accessible to all persons, without the need for adaptation or specialized design.

National Park Service Policies

The National Park Service has incorporated accessibility into Management Policies, Chapters 5-10. Relevant sections of those policies are included in Director's Order #42.

Programmatic Accessibility Guidelines for National Park Service Interpretive Media

The Harpers Ferry Center (HFC) has developed this document for use by those who are responsible for the creation of all forms of interpretive media in the parks. The goal is to ensure that the highest level of accessibility for visitors with a wide range of abilities is incorporated into the planning, design and construction of interpretive media. The guidelines combine highlights of laws, policies and best practices.

Organization of the Plan

The Self Evaluation is based on all sites, facilities, features and programs available to visitors of the park.

A Transition Plan was created for each of the units/islands and they are grouped by the tier of the unit. Each Transition Plan identifies the barrier, includes appropriate code reference(s), provides corrective action options, ranks the significance of the barrier and identifies the timeframe for the barrier to be addressed. Captioned photographs and maps/plans are provided as appropriate.

Implementation of the Plan

While accessibility should be considered by all staff and volunteers of the park, the Superintendent is responsible for the implementation of this Self Evaluation and Transition Plan. It is the responsibility of the Superintendent to integrate the recommendations of this plan with other obligations such as historic designations, environmental concerns, cultural resources, knowledge of planned projects and budgets. (See attachment for information on NEPA and NHPA as they relate to this plan.)

Tier, Barrier Level and Timeframe

A variety of ranking measures were used to assess the park. Following are the definitions and descriptions of the ranking systems used.

Tier: grouping of island or unit for prioritization

Barrier Level: significance of the barrier

Timeframe: how quickly it should be addressed (timeframe takes into consideration program accessibility at alternate locations or alternate means, visitor use, ability to complete internally, safety and funding)

Tier Development

Recognizing that the Park cannot immediately make all facilities accessible, the following criteria was used as the basis for grouping the analysis of access improvements at the park's units: level of use by the public, number of activities offered, program uniqueness and geographic distribution. These groupings will be referred to as tiers and provide a general framework for prioritization.

- ☐ **Level of Use by the Public:** Facilities that receive a high level of use by the public generally have a higher rating.
- ☐ **Number of Activities Offered:** Park areas that offer a wide range of visitor activities provide more experiences for the public. Those park areas that provided a more diverse range of programs were assigned to a higher tier for access improvements.
- ☐ **Program Uniqueness:** Some park areas offer programs or experiences that are unique to that site and may not occur in any other location in the park. Visitors with disabilities should have the same opportunity as others to experience that unique feature or activity. Those park areas with a unique feature were given assigned to a higher tier.
- ☐ **Geographic Distribution:** It is important that accessible programs and park experiences are distributed throughout the park's units in order to ensure maximum access for all.

Description of Tier:

Using the criteria described above, all park areas were evaluated and assigned to a tier.

- ☐ **Tier 1:**
Tier 1 sites represent a limited number of the parks' units, but account for a large percentage of the total visitation. They are spread geographically across the park, and all are reachable by motorized vehicles, public cruise boats or are a short distance from the mainland with high kayak use. These sites were also chosen due to the number of activities they offer and, in some cases, the uniqueness of programs or experiences available. Many of the features at these sites will be modified to provide physical and programmatic access. The goal is that every type of facility-supported activity offered at each Tier 1 site or each unique experience that is part of that activity is made accessible.
- ☐ **Tier 2:**
These sites typically have slightly lower visitation and numbers of activities than Tier 1 sites. In some cases, Tier 2 sites may duplicate activities or experiences offered at a nearby Tier 1 park site. In those cases, other criteria such as visitation or unique features may have been deciding factors in assigning the tier. The goal is that unique primary activities or programs, and supporting facilities such as parking, routes and restrooms in all Tier 2 park sites will be made accessible.

□ **Tier 3:**

Tier 3 sites generally have lower visitation statistics than units in Tier 1 and 2, and/or are sites that are primarily protected wilderness areas. These sites generally have few or no developed facilities, and the activities offered at these units/islands are often represented at more developed park units nearby.

Accessibility improvements at Tier 3 units will generally include necessary restrooms, parking and routes. Wilderness areas will not be modified at this time.

Barrier Level:

- **1:** a physical or programmatic barrier to the site/facility that prohibits participation (or use of the site/facility)
- **2:** a physical or programmatic barrier to the site/facility- program participation is possible with assistance or modification
- **3:** a physical or programmatic barrier to the site/facility that is out of compliance but usable by most participants with disabilities (i.e. a restroom fixture hung too high or a doorway slightly too narrow)

Description of Timeframe:

- **Immediate:** within 2 years the park will develop a proposal and submit it for NPS competitive funding or address the item internally (if it does not require NPS competitive funding)
- **Short term:** within 2 to 5 years the park will develop a proposal and submit it for NPS competitive funding or address the item internally (if it does not require NPS competitive funding)
- **Long term:** longer than five years or the issue will be addressed at such time other work is taking place as part of maintenance or as a larger project

Planned Work:

In addition to the timeframes and priorities identified above, work (new construction or alteration) taking place in any area of the park will need to be addressed, regardless of the timeframe or tier assigned.

For the purpose of this plan, the ABAAS definition of "alteration" will be used:

F106.5 Defined Terms.

Alteration. A change to a *building* or *facility* that affects or could affect the usability of the *building* or *facility* or portion thereof. *Alterations* include, but are not limited to, remodeling renovation, rehabilitation, reconstruction, historic restoration, resurfacing of *circulation paths* or *vehicular ways*, changes or rearrangement of the structural parts or *elements*, and changes or rearrangement in the plan configuration of walls and full-height partitions. Normal maintenance, reroofing, painting or wallpapering, or changes to mechanical and electrical systems are not *alterations* unless they affect the usability of the *building* or *facility*.

Self Evaluation

APIS has reviewed our policies, procedures, services, practices and benefits to ensure that discrimination against individuals with disabilities is being addressed.

Publications

Publications distributed by APIS were reviewed for compliance. Those publications included brochures, park newspaper, island maps, Junior Range Booklet and camping permits.

The text and font used on the printed publications is clear, easy to read and contrasts with the background.

Recommended Actions:

- On brochures where the park contact information / phone number is provided, include the TTY number. (Timeframe: Immediate)

Auxiliary Aids and Services

APIS is to make available auxiliary aids and services where necessary to ensure effective communication with visitors.

Examples of auxiliary aids and services may include:

- ☐ Large print materials
- ☐ Braille materials
- ☐ Sign language interpreters
- ☐ Assistive listening systems

Currently the following auxiliary aids and services are available at APIS:

- ☐ A listing of agencies capable of converting text to Braille is available through the designated Accessibility Coordinator.
- ☐ A listing of sign language interpreters serving the Bayfield area is available at the information desk of the Headquarters / Visitor Center for staff to contact if requested by a park visitor.
- ☐ An assistive listening system is currently available at the auditorium of the Headquarters / Visitor Center and in the video area at the Little Sand Bay Visitor Contact Station.

Recommended Actions:

- Inform visitors and program participants that auxiliary aids and services such as sign language interpreters and Braille materials will be provided if requested 72 hours in advance. (Timeframe: Immediate)
- Include information on the availability and procedures for acquiring auxiliary aids and services in seasonal staff training for staff working at any of the visitor centers (Headquarters / Visitor Center, Little Sand Bay and Stockton Presque Isle). (Timeframe: Immediate)
- Create a Braille and large print version of the park brochure to have available at the Headquarters / Visitor Center. (Timeframe: Short Term)
- As new brochures are developed, add Braille and large print versions. (Timeframe: Short Term)

Wilderness Policy

The General Management Plan includes a section on "Accessibility for Persons With Disabilities" in Chapter 2. Areas within the Gaylord Nelson Wilderness must allow for the use of wheelchairs, however APIS is not required to make any modifications to accommodate wheelchairs.

Reservation Policies

The current *Camping in the Apostle Islands* brochure describes how to make a camping reservation and the fees associated with the reservation. A chart identifies each campsite location (with a corresponding map) and the

amenities provided at the site. Camping permits must be picked up in person at the park headquarters, allowing staff the opportunity to provide any additional information that may be beneficial to the campers. At Stockton Island Presque Isle there are 17 individual campsites, including 1 accessible site; currently the reservation policy for campsites is first-come at Presque Isle, there is not a formal policy in place for reserving/requesting the accessible campsite.

Recommended Actions:

- When the *Camping in the Apostle Islands* brochure is updated, include information on accessibility of campsites (Timeframe: Immediate)
- Revise (and formalize) the reservation policy to (Timeframe: Immediate):
 - I. Allow a visitor to reserve the accessible campsite at Stockton Island (or other locations once they are created) at the time they make their camping reservation
 - II. Hold the accessible campsite at Stockton Island (and other non-wilderness locations once they are created) until all other campsites (on the same island or in the same general area) are occupied
- Include information on reservation policies for accessible campsites in seasonal employee and volunteer training. (Timeframe: Immediate)

Programs

Apostle Islands National Lakeshore (APIS) provides the opportunity to participate in many programs and activities. Some of the activities are formal interpretive programs lead by park staff or volunteers such as tours of light stations, some are activities that are experienced independently in facilities provided by APIS such as camping at a campsite and others are activities that can be experienced anywhere without specific facilities such as bird watching. APIS staff and volunteers have the ability to modify tours and interpretive programs to meet the varying needs of participants- based on physical ability, cognitive issues, interests and time available.

APIS has an obligation to ensure that all services, programs or activities, when viewed in their entirety, are readily accessible to and usable by individuals with disabilities.

Facility-supported Activities

The following activities are available within the park and are provided with facilities:

- ☐ Camping
- ☐ Hiking
- ☐ Light Station
- ☐ Fish Camp
- ☐ Picnic Areas
- ☐ "Island School"
- ☐ Docking
- ☐ Kayak Launching
- ☐ Exhibits / Interpretive Media

Camping

Camping is provided on 19 of the 21 islands, plus 1 campsite on the mainland. There are a total of 55 individual sites and 7 group sites; backcountry camping is allowed within designated camping zones. Camping is provided in non-wilderness areas as well as within the Gaylord Nelson Wilderness. The park's General Management Plan (GMP) calls for no net-gain or net-loss in the number of campsites provided within the Gaylord Nelson Wilderness and on non-wilderness areas in the outer islands. The GMP allows for an increase in the number of campsites on Sand, Oak and Basswood islands.

Campsite Arrival:

The mainland campsite can be reached by water or by hiking 4.5 miles from Meyers Beach parking lot. The remainder of the campsites can be reached only by boat or kayak. In 2011, cruise service provided by the concessioner was available to Stockton Island (Quarry Bay and Presque Isle), Raspberry Island and Oak Island.

Amenities Provided:

All campsites are provided with bear lockers and fire rings. Picnic tables are currently provided at most campsites, however going forward picnic tables will not be provided at campsites located in the Gaylord Nelson Wilderness. Toilet facilities (vault or moldering privy) are provided for the majority of campsites, including some located within the Gaylord Nelson Wilderness.

Accessible Campsite(s):

Stockton Island has the largest number of campsites in the park, with 17 individual sites at Presque Isle. Currently 1 campsite (#1) has been designated as accessible. The accessible campsite is located on an Outdoor Recreation Access Route (ORAR) and provides features such as an accessible fire ring and a picnic table with knee and toe clearance.

Minimum Number of Accessible Campsites:

For the purpose of evaluating program accessibility, the total number of campsites (units) provided in the park was treated as 1 camping facility. Based on the *Draft Accessibility Guidelines for Outdoor Developed Areas, Table F244.2.1*, for newly constructed and altered camping facilities with 62 camping units, a total of 4 accessible camping units are required.

Recommended Action:

- As campsites are relocated or modified, provide accessibility in accordance with *Draft Accessibility Guidelines for Outdoor Developed Areas*. When calculating the number of required accessible camping units, treat each island as a camping facility. (Timeframe: Short Term)
- Modify a minimum of 3 campsites (2 individual, 1 group) to be accessible. The following locations would lend themselves to providing accessibility with minimal modification (Timeframe: Short Term):
 - Sand Island- Campsites 1, 2, A, B
 - South Twin Island- Campsite 1
 - Otter Island- Campsite 1
 - Stockton B

Hiking

Hiking trails are provided throughout the park. Many of the hiking trails are provided within the Gaylord Nelson Wilderness. There are currently no accessible hiking trails in the park.

Recommended Action:

- As new trails are developed or as existing trails are modified (change of the original design, function or purpose of the trail), create accessible trails in accordance with *Draft Accessibility Guidelines for Outdoor Developed Areas F247*. Note, the exceptions listed in *Draft Accessibility Guidelines for Outdoor Developed Areas 1019.2* will likely apply to most trails within the park due to topography and the wilderness designation at most islands. (Timeframe: Long Term)
- When the park develops the small loop trail at Little Sand Bay (as planned in the General Management Plan) create an accessible trail. (Timeframe: Long Term)

Light Station

There are 8 light towers on 6 islands- Devils, Long (2), Michigan (2), Outer, Raspberry and Sand. Guided tours are available at Devils, Michigan, Raspberry and Sand Island light stations. The Raspberry Island Light Station underwent significant remodeling/rehabilitation in 2007 and was set up with period furnishings and is the only lighthouse tour with an interpretive program fee.

Light Station- Arrival from Mainland:

Raspberry Island is the only light station in the park with regularly scheduled concession cruise service. The other 5 islands are reached only by private boat, water taxi or kayak. Due to its close proximity to the mainland, Sand Island gets a high number of kayak visitors.

Light Station- Route from Dock:

There is not currently an accessible route that complies with *ABA F206.2* to any of the light stations.

- ☐ The docks at Michigan, Outer and Raspberry Islands are located close to the light station, there are stairs (123, 97 and 76 risers respectively) directly from the dock to the light station.
- ☐ The dock at Long Island is close to the LaPointe light and there is minimal change (~9'-12') in elevation between the dock and the light. The route between the dock and the light varies greatly due to the littoral drift of the sand beach. There is currently no interpretive programming at Long Island.
- ☐ The dock at Devils Island is at the south end of the island, the light station is at the north end. There is a former road that connects the dock to the light station built by the Coast Guard to service the station. That route is now within the Gaylord Nelson Wilderness.

- ☐ The dock at Sand Island is on the east side of the island, approximately 2 miles south of the light station. There is currently a trail that connects the light station to the dock that is mostly flat, and nearly 60% boardwalk.

Historic Designation:

All of the light stations are designated as historic and are listed on the National Register of Historic Places. At Michigan, Outer and Raspberry Islands, the dock and stairway is a 'contributing feature'. Any work done at the light station is to comply with *ABA F202.5 Alterations to Qualified Historic Buildings and Facilities*.

Program Alternatives:

The light stations are difficult for visitors to reach due to the lack of an accessible route and their remote locations with limited concession boat service. Interpretive information and exhibits are currently provided at the visitor center in Bayfield.

- ☐ A video was created that tells the story of the park as well as specific information about the light stations and experiences of the former light keepers.
- ☐ There is an exhibit that includes the lens from a light tower surrounded by a catwalk (platform with railings raised approximately 2" off the floor), the walls of the room are covered with large panoramic photographs that show the view from the top of the light tower.

Recommended Action:

- At such time work is done at any of the light stations, compliance with *ABA F202.5 Alterations to Qualified Historic Buildings and Facilities* is required. Where the State Historic Preservation Officer or Advisor Council on Historic Preservation determines that compliance with the requirements for accessible routes, entrances or toilet facilities would threaten or destroy the historic significance of the building or facility, the exceptions for alterations to qualified historic buildings or facilities for that element shall be permitted to apply. (Timeframe: Long Term)
- Promote the availability of the lens exhibit at the visitor center. (Timeframe: Immediate)
- Utilize new technology, such as web cams and digital photography to provide virtual tours of the light stations on the park's website and in the visitor centers. (Timeframe: Immediate)
- Upgrade the route from the dock to the light station on Sand Island to comply with *ABA F206.2* and evaluate adding interpretive exhibits in the kitchen area of the Light Station Quarters. If exhibits are added, create an accessible entry. (Timeframe: Short Term)
- Continue to evaluate mechanical devices that would create an accessible route from the dock to the light station at Michigan, Outer and Raspberry Islands (Raspberry Island is the 1st priority due to the extensive interpretive information). (Timeframe: Immediate)

Fish Camps

There are historic fish camps located on Manitou Island and the Hokenson Brothers Fishery at Little Sand Bay on the mainland. There is a self-guided tour with a brochure at Manitou Island. At Little Sand Bay visitors can use a brochure to do a self-guided tour of the Hokenson Brothers Fishery (no access into structures) or can take a guided tour that includes entering the buildings. Currently the route connecting buildings at both locations is compacted dirt and/or grass. At Hokenson Brothers Fishery there are two routes that lead from the twine shed to the beach area. A wood stairway goes from the top of the bluff to the ice house and the dock. A short path leads to a driveway that descends the bluff and ends in front of the ice house.

Recommended Action:

- Provide an accessible Fish Camp experience at Hokenson Brothers Fishery, including:
 - Create an accessible route to the twine shed.
 - Create an accessible route into the twine shed.
 - Modify the tour procedures to allow a visitor who is not able to use the stairs to drive their private vehicle down the driveway to the beach area.

Picnic Areas

Picnic areas are provided on the islands and the mainland at the following locations:

- ☐ Little Sand Bay (mainland)
- ☐ Manitou Island
- ☐ Meyers Beach (mainland)
- ☐ Oak Island
- ☐ Rocky Island
- ☐ Stockton Island- Presque Isle
- ☐ South Twin Island

There are also picnic facilities at all of the light stations except Long Island.

Accessible Picnic Facilities:

Currently tables that provide knee and toe clearance are available at Little Sand Bay and Meyers Beach. In addition to providing tables with knee and toe clearance, the picnic facility and associated outdoor constructed features (i.e. grills, fire rings, trash collection, etc.) are to be located on an Outdoor Recreation Access Route (ORAR). Currently the picnic facilities at Little Sand Bay (on the dock) and South Twin Island are the only facilities that provide an ORAR.

Recommended Action:

- As picnic tables are replaced, provide tables with knee and toe clearance in quantities determined by *Draft Accessibility Guidelines for Outdoor Developed Areas F245.2.2*. (If less than 2 provided, each shall be accessible; if more than 2 provided, 20% shall be accessible with a minimum of 2.) (Timeframe: Short Term)
- Create an ORAR to the picnic facilities at Meyers Beach. (Timeframe: Short Term)

Island School

Island School is a program in cooperation with Northland College in Ashland, WI. The program includes 3 days and 2 nights of camping for 6th and 7th grade students each spring, typically held at Stockton Island. The exact location of the program differs based on availability of campsites, in recent years the Quarry Bay campsites have not been available due to weather and the closing of Site A to protect cultural resources.

Accessible Site:

Currently the only accessible campsite is Site 1 at Stockton Island- Presque Isle. There are no features of accessibility currently provided at the camping facility at Stockton Island- Quarry Bay. There are currently no accessible group campsites within the park.

Future Plans:

There are currently plans being evaluated that would modify the existing Quarry Bay area, including:

- ☐ Removal of the existing NPS Ranger House and possibly using the foundation from the house as a platform and sheltered picnic/group meeting area.
- ☐ Constructing a platform/deck at Site A that would preserve and protect the cultural resources, while still allowing use of the site.

Recommended Action:

- ☐ Work with Northland College to ensure that the individual needs of participants (and staff) are met while on site, possibly relocating activities to Presque Isle to accommodate participants. (Timeframe: Short Term)
- ☐ If/when creating platforms and sheltered picnic areas at Quarry Bay, ensure accessibility is provided to the new features, including providing an Outdoor Recreation Access Route (ORAR) to connect features within the camping facility. (Timeframe: Long Term)

Docking

Public docks are available to park visitors at the following locations:

- ☐ Basswood Island
- ☐ Raspberry Island
- ☐ Sand Island
- ☐ Stockton Island- Presque Isle
- ☐ Stockton Island- Quarry Bay
- ☐ Devils Island
- ☐ Little Sand Bay
- ☐ Manitou Island
- ☐ Michigan Island
- ☐ Long Island
- ☐ Oak Island
- ☐ Otter Island
- ☐ Outer Island
- ☐ Rocky Island
- ☐ South Twin Island

The docks are available on a first-come basis. Docks are free to use during the day and overnight docking is allowed for a fee. ABA F235 has established design guidelines for new construction/alteration of docks, including the route to amenities provided on shore. The walking surface of the docks is typically wood, manufactured wood or concrete. The wood and manufactured wood docks have not held up well to the elements, creating "wavy" walking surfaces with multiple changes in level.

Recommended Action:

- As modification occurs at docks, ensure accessibility requirements are incorporated, including: walking surface and spacing of cleats. (Timeframe: Long Term)
- Add information to the park's website about the average distance from the water level to the dock walking surface to assist visitors in planning their trip. (Timeframe: Immediate)

Kayak Launching

Kayak launching from the mainland is available at Little Sand Bay and Meyers Beach. Launching at Little Sand Bay is the shortest distance to Sand Island. Launching at Meyers Beach is closest to the mainland sea caves and is popular for day trips. Kayakers launch from the beach directly in to the water; there are no docks for kayak launches. Little Sand Bay provides a vehicle route to the edge of the dock, a section of boardwalk running parallel to the shore leads from the dock to the beach used for launching kayaks. There are 47 steps at Meyers Beach between the parking lot and the beach.

Recommended Action:

- Add a ramp at Meyers Beach to create an accessible route from the parking lot to the beach. (This is consistent with recommendations in the park's General Management Plan.) (Timeframe: Long Term)
- Add a beach access route that complies with *Draft accessibility Guidelines for Outdoor Developed Areas F248* to the normal water level once the ramp is added at Meyers Beach. (Timeframe: Long Term)

Exhibits / Interpretive Media

In addition to park staff and volunteers, the park communicates with visitors through various forms of interpretive media, including:

- ☐ Wayside signs throughout the park
- ☐ Brochures and other printed publications
- ☐ Website
- ☐ Exhibits at the Visitor Center, Little Sand Bay and Stockton Island- Presque Isle

Harpers Ferry has established accessibility requirements for interpretive media for the National Park Service which can be found in *Harpers Ferry Programmatic Accessibility Guidelines for National Park Service Interpretive Media*. In addition to requirements for physical access to interpretive media and exhibits, there are also requirements that address visitors with cognitive, hearing and visual needs.

Waysides:

Waysides located throughout the park provide interpretive information about the site as well as safety and general park information. Typical park waysides currently provide an easy to read type size and style that contrasts with the background. The information provided on the waysides is not currently available in any alternate formations such as audio. Typical methods of providing audio for wayside information (push button/speaker system, cell phone with corresponding code o the wayside or handheld listening device with corresponding code on the wayside) are not feasible at the park due to the remote locations of the islands, the lack of cell phone service and the potential administrative/logistical burden of distributing hand held devices.

Brochures:

Publications distributed by APIS include: brochures, park newspaper, island maps, Junior Range Booklet and camping permits. Publications are available at mainland units, Stockton Island- Presque Isle and in electronic form from the park's website. (Note: not all publications are available at all locations, the Headquarters / Visitor Center has printed copies of all publications.) The text and font of used on the printed publications is clear, easy to read and contrasts with the background.

Website:

The park's website is reached via the www.nps.gov website and includes the standard park service information such as "Plan Your Visit", "History and Culture", etc.

Exhibits:

Interpretive exhibits are provided at the Visitor Center, Little Sand Bay and Stockton Island-Presque Isle. At the Visitor Center there is an exhibit that includes a lens along with captioned panoramic photographs that illustrate the view from the top of the light tower. The lighting level in the lens exhibit is currently low. The exhibits at Little Sand Bay emphasize the fishing industry and include models of the net systems used by commercial fisherman. The models are typically described to visitors by park staff or volunteers. There are currently no tactile maps or models.

Exhibits- Video:

A video is available for viewing at the Visitor Center and Little Sand Bay (same video at both locations). Assistive listening systems are available, as well as audio description of the video.

Exhibits- Kiosks:

Interactive kiosks are provided at the Visitor Center and Little Sand Bay. The kiosk at Little Sand Bay was not operational at the time of site visit (not yet open to visitors for the season). Both of the kiosks are an older style and do not provide any audio.

Recommended Action:

- ☐ As waysides are added, ensure they are located along an accessible route whenever possible. (Timeframe: Long Term)
- ☐ As waysides are added, ensure a 30"x48" clear ground surface that is firm, stable and slip resistant is provided in front of the wayside. (Timeframe: Long Term)
- ☐ Develop podcasts that would be available for download in advance through the park's website and at a station in the visitor center to provide audio narration of waysides as well as audio description. (Timeframe: Immediate)
- ☐ On publications where the parks phone number is provided, include the TTY number. (Timeframe: Immediate)
- ☐ Provide readily available park brochures in alternate formats at the visitor center. (Timeframe: Immediate)
- ☐ Increase the lighting levels at the lens exhibit. (Timeframe: Short Term)
- ☐ Add tactile models and maps. (Timeframe: Long Term)
- ☐ At such time the kiosks are replaced, ensure they comply with Harpers Ferry requirements. (Timeframe: Long Term)
- ☐ As interpretive materials are added or updated, ensure they comply with the Harpers Ferry requirements. (Timeframe: Long Term)

Apostle Islands Cruises

Apostle Islands Cruises provides concession operated cruise and shuttle service throughout the park on 2 vessels- Island Princess and Ashland Bayfield Express.

Accessibility Requirements:

Accessibility requirements for passenger vessels are not yet final and are still in draft form- *Draft Passenger Vessels Accessibility Guidelines (PVAG)* 2008. The criteria for getting passengers on and off vessels will be established by the Department of Transportation.

Island Princess:

The Island Princess is a 70' vessel that accommodates 149 passengers on 2 decks (the upper deck is open). Currently the Island Princess offers non-stop cruises, including: Grand Tour, Islander Cruise and the Evening Grand Tour.



Island Princess. Passenger entry; a ramp is also available.



Island Princess. Larger toilet room on the port side.

Ashland Bayfield Express:

The Ashland Bayfield Express is a 49' vessel that accommodates 80 passengers on 2 decks (the upper deck is open). Currently the Ashland Bayfield Express is used as a shuttle boat, providing scheduled service that stops at docks at the following locations: Raspberry Island, Oak Island, Stockton Island. The Ashland Bayfield Express is able to dock for charter service at any island with a dock.



Ashland Bayfield Express. Passenger entry.



Ashland Bayfield Express. Small toilet room, down 3 steps.

Current Accessibility:

- ☐ The Island Princess currently provides features of accessibility such as a wide door used for boarding, wheelchair positions on the main seating level and 1 larger toilet room. Staff is able to assist passengers in getting on and off the vessel and a portable ramp is available.
- ☐ The Ashland Bayfield Express does not currently provide any features of accessibility, the entry door provides a 25 1/2" clear opening and there is 1 small bathroom on board.

Interpretive Programs:

The cruises are narrated, usually by the captain of the excursion boat. A printed copy of the typical narration is available to passengers with difficulty hearing.

Recommended Action:

- Work with the concession operator to ensure that as vessels are replaced or modified, features of accessibility are incorporated. (Timeframe: Immediate)
- Work with the concession operator to provide a vessel that has features of accessibility that docks at islands. (Timeframe: Immediate)
- Work with the concession operator to acquire an assistive listening system that can be used with the narrated audio tour. (Timeframe: Immediate)

Headquarters / Visitor Center

Site Survey: May 26, 2011

Tier: 1

The park headquarters/visitor center is located in downtown Bayfield in the former Bayfield County courthouse and is on the National Register of Historic Places. The facility is owned by the City of Bayfield. The 3 story building includes an elevator to provide access to all levels. Currently the visitor center is located on the 2nd level and include exhibits, retail, auditorium, information desk and public toilet rooms. An exterior ramp on the west side of the building provides a route from parking in to the visitor center. In 2010 there were 17,351 visitors to the visitor center. The park's General Management Plan calls for construction of a new visitor center to be built on or near the waterfront (headquarters would remain in the former courthouse).



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action identified by:▶)	Barrier Level	Timeframe
Parking	There are 2 designated accessible parking spaces. Currently each is 12' wide. Neither is served by an access aisle. <i>ABA 502</i>	➤ At such time the parking lot is re-striped or re-surfaced, create fully compliant accessible parking spaces, including a van accessible space.	2	Short term
Parking-Signs	The 2 accessible parking spaces are painted with the International Symbol of Accessibility. There is not currently a sign for either space. <i>ABA 502.6</i>	➤ Add a sign. (The current parking layout would allow for a 2 sided sign on a shared post to serve both accessible spaces.)	3	Short term
Accessible Entry- Sign	An accessible entry is provided on the west side of the building. The other entries are not currently accessible. A statement regarding the location of the ramp is currently provided on a wayside style sign near the east entry. <i>ABA F216.6</i>	➤ Post signs at the entries that are not currently accessible- east and south (ceremonial)- directing to the ramp on the west side of the building.	2	Immediate
Accessible Entry- Door Width	A single leaf of the double entry doors at the west entry currently provides a 29" clear opening. The power door opener opens both doors. <i>ABA 404.2.3</i>	<input type="checkbox"/> At such time the doors are replaced, replace with a wide/narrow style where a single leaf provides a 32" minimum clear opening. ➤ No action at this time, by activating the power door opener a 32" minimum clear opening is provided.	3	Long term
Sales Counter / Information Desk	The sales counter / information desk is currently at 43". A clipboard is currently available for visitors to complete paperwork. <i>ABA 904.4.1</i>	➤ Lower a 36" wide portion of the counter to a maximum height of 36". <input type="checkbox"/> No action at this time, a clipboard is available.	2	Short term
Theater	A single leaf of the double entry doors at the theater currently provides a 30" clear opening. <i>ABA 404.2.3</i>	<input type="checkbox"/> At such time the doors are replaced, replace with a wide/narrow style where a single leaf provides a 32" minimum clear opening. <input type="checkbox"/> Prop both doors in the 'open' position. (This may impact the viewing of movies because of light and sound from the visitor center.) ➤ No action at this time, a 30" clear opening is considered "usable by" the majority of individuals with disabilities.	3	Short term

Visitor Log	A visitor log is provided on a podium. The podium is currently at a height of 37". ABA 902.3	<input type="checkbox"/> Relocate the visitor log to an accessible location. ➤ Replace the podium with a style that has a maximum height of 34".	3	Short term
"Lens" Exhibit	An exhibit that includes a lens surrounded by a raised (~2") platform with a railing to replicate the experience at a lighthouse. The railing reduces the clear route around the lens to 32 1/2" - 35" (not perfectly round). The diameter is approximately 30'. ABA 403.5	<input type="checkbox"/> Replace the platform with a design that provides a 36" clear route around the lens. ➤ Modify the railings to provide a 36" clear route.	2	Short term
Men's Toilet Room- Sign	The sign for the men's toilet room is currently mounted on the door. ABA 703.4.2	<input type="checkbox"/> Relocate the existing sign to the wall adjacent to the latch side of the door. <input type="checkbox"/> Add an additional sign on the wall, adjacent to the latch side of the door. ➤ No action at this time, a sign is provided.	3	Long term
Men's Toilet Room- Urinal	The urinal is currently mounted with the lip at 24". ABA 605.2	<input type="checkbox"/> Lower the existing urinal to 17" maximum. <input type="checkbox"/> At such time the toilet room is remodeled, lower the existing urinal to 17" maximum. ➤ As part of GSA lease renewal, lower the existing urinal to 17" maximum.	3	Short term
Men's Toilet Room- Lavatory	The lavatory is currently at 35" when measured to the rim of the sink. (The counter is at 34".) ABA 606.3	<input type="checkbox"/> At such time the lavatory is remodeled, ensure 34" maximum height to the counter or rim (whichever is higher). <input type="checkbox"/> No action at this time, the rim is currently high by 1" and would be considered "usable by" most individuals with disabilities. ➤ As part of GSA lease renewal, provide a lavatory with 34" maximum height to the counter or rim (whichever is higher).	3	Short term
Men's Toilet Room- Hook	There is a coat hook provided in the accessible compartment that is currently at 64". ABA 603.4	<input type="checkbox"/> Lower the existing coat hook to 48" maximum. ➤ Add an additional coat hook at 48" maximum.	2	Long term
Women's Toilet Room- Power Door Operator	A power door operator is currently provided at the women's toilet room. There are 2 conflicting stickers affixed to the door, "pull to operate" and "activate switch to operate". Pulling the door to operate fights with the mechanism to operate the power door.	➤ Remove the "pull to operate" sticker. (Paint touch-up on door surface will be necessary.)	3	Immediate

Women's Toilet Room-Sign	The sign for the women's toilet room is currently mounted on the door. <i>ABA 703.4.2</i>	<input type="checkbox"/> Relocate the existing sign to the wall adjacent to the latch side of the door. <input type="checkbox"/> Add an additional sign on the wall, adjacent to the latch side of the door. ➤ No action at this time, a sign is provided.	3	Long term
Women's Toilet Room-Lavatory	The lavatory is currently at 35" when measured to the rim of the sink. (The counter is at 34".) <i>ABA 606.3</i>	<input type="checkbox"/> At such time the lavatory is remodeled, ensure 34" maximum height to the counter or rim (whichever is higher). <input type="checkbox"/> No action at this time, the rim is currently high by 1" and would be considered "usable by" most individuals with disabilities. ➤ As part of GSA lease renewal, provide a lavatory with 34" maximum height to the counter or rim (whichever is higher).	3	Short term
Women's Toilet Room-Hook	There is a coat hook provided in the accessible compartment that is currently at 64". <i>ABA 603.4</i>	<input type="checkbox"/> Lower the existing coat hook to 48" maximum. ➤ Add an additional coat hook at 48" maximum.	2	Long term



1. Park Headquarters / Visitor Center. View of accessible parking.



2. Park Headquarters / Visitor Center. View of wayside near east entry. Information regarding the accessible entry is integrated into the wayside panel.



3. Park Headquarters / Visitor Center. View of ceremonial (south) entry.



4. Park Headquarters / Visitor Center. View of accessible entry. The power door opener activates both of the double doors to provide a 32" clear opening.



5. Park Headquarters / Visitor Center. View of counter, currently at 43".



6. Park Headquarters / Visitor Center. View of theater entry. A single leaf of the double doors currently provides a 30" clear opening.



7. Park Headquarters / Visitor Center. View of lens exhibit.



8. Park Headquarters / Visitor Center. View of platform around the lens exhibit. The clear width around the platform is 32 1/2" - 35".



9. Park Headquarters / Visitor Center. View of toilet room. The rim of the sink is currently at 35".

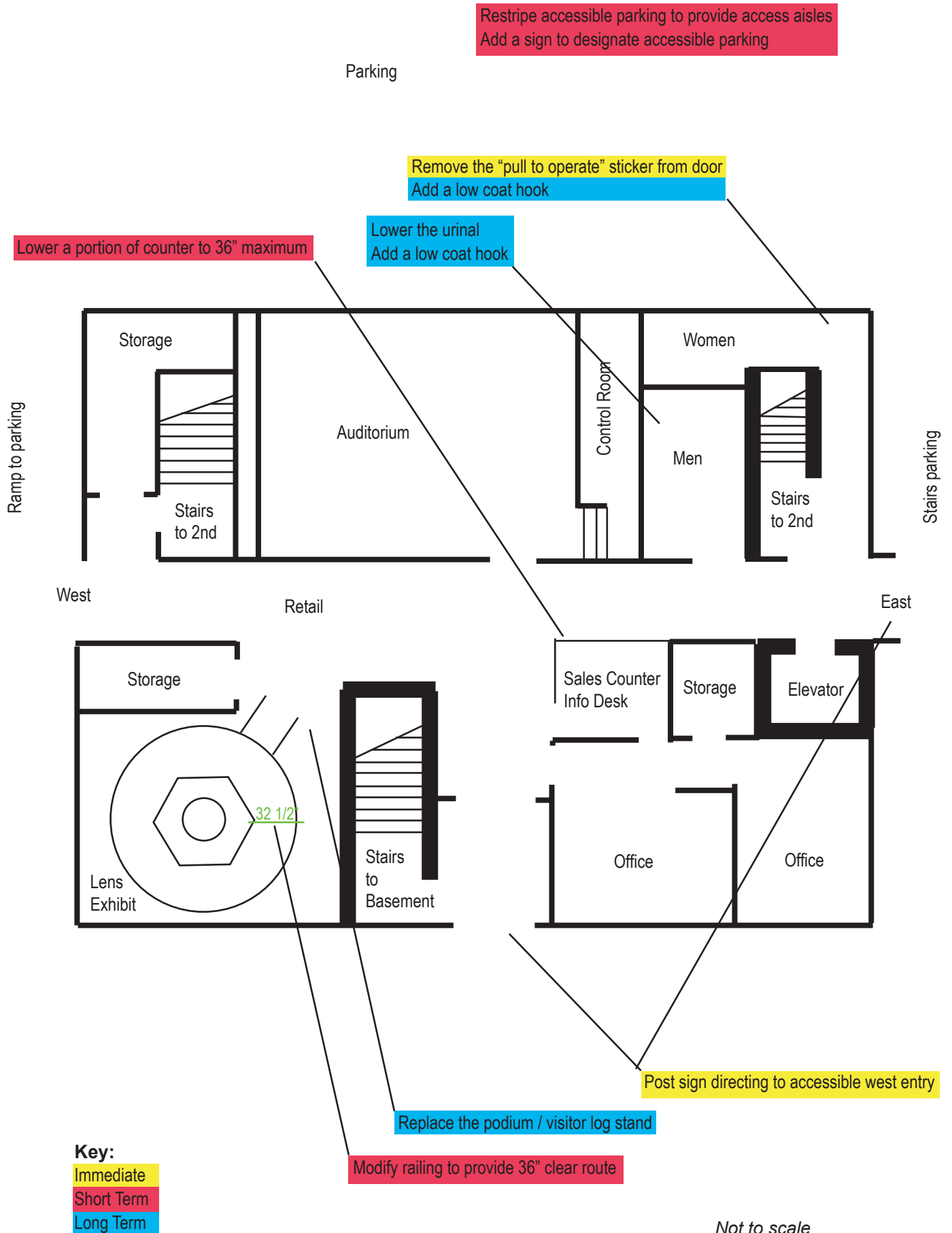


10. Park Headquarters / Visitor Center. The lip of the urinal in the men's room is currently at 24".



11. Park Headquarters / Visitor Center. View of contradictory signs on the door to the women's toilet room.

APIS- Headquarters / Visitor Center
Main Floor

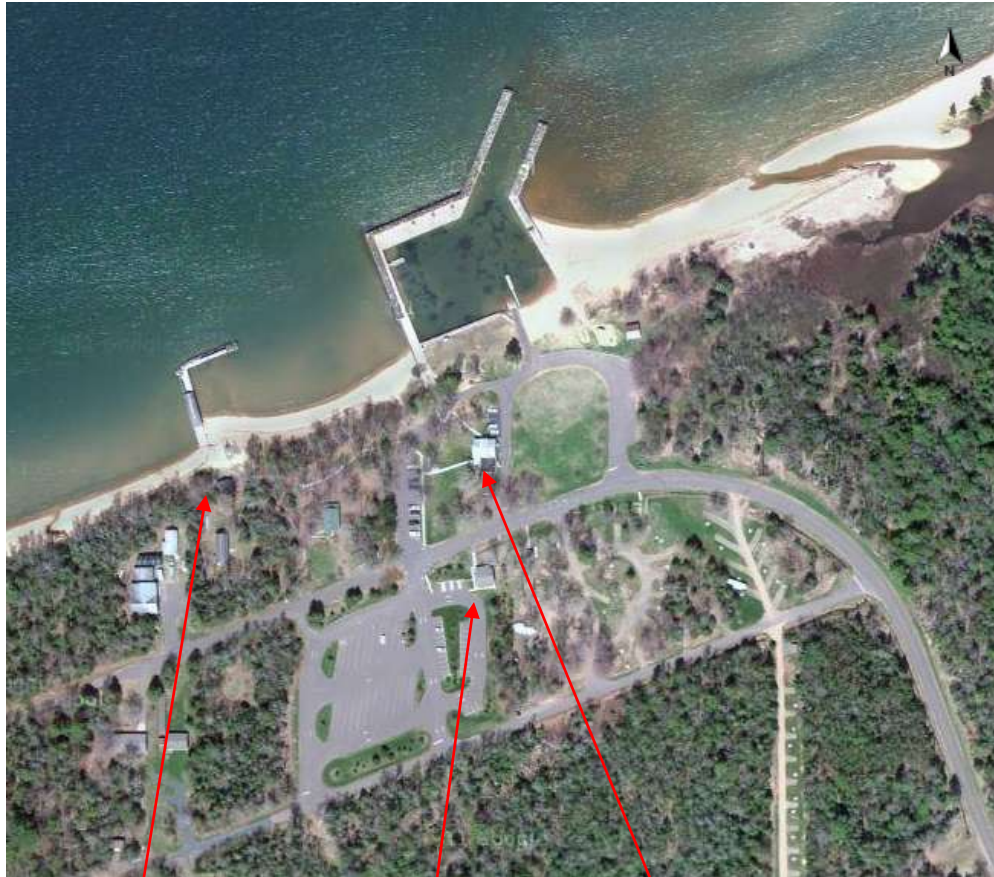


Little Sand Bay

Survey Date: May 26, 2011

Tier: 1

Little Sand Bay is located on the mainland, approximately 13 miles from Bayfield. The site includes a visitor contact station, dock (including fueling station for NPS boats), kayak launch, picnic area, Hokenson Brothers Fishery (listed on National Register of Historic Places), parking lots and a bathroom. There is an adjacent camping facility, dock and boat ramp provided by the town of Russell. In 2010 there were 6,944 visitors at Little Sand Bay.



Hokenson
Brothers Fishery

Bathroom

Visitor Contact Station

Little Sand Bay- Visitor Contact Station

The visitor contact station includes exhibit space, retail, information desk, single user toilet rooms and ranger office space. The building is open to visitors only in the summer. Upper level spaces in the visitor contact station are not currently occupied. The park's General Management Plan calls for replacing the existing visitor contact station.

Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Parking	There are 2 designated accessible parking spaces. Currently 1 is 8' wide, the other is 7'-6" wide. The spaces share a 5' wide access aisle that aligns with the route to the accessible entry of the visitor contact station. <i>ABA 502</i>	► At such time the parking lot is re-striped or re-surfaced, create fully compliant accessible parking spaces, including a van accessible space.	2	Short term
Parking	The cross slope of the accessible parking spaces and the shared access aisle is currently 3% (versus 2% maximum). <i>ABA 502.4</i>	<input type="checkbox"/> Re-grade the parking lot to provide 2% maximum cross slope at the accessible parking. ► No action at this time, the cross slope is only off by 1% and would be "usable by" the majority of users.	3	Long term
Accessible Entry- Sign	An accessible entry is provided on the west side of the building. The other entries are not currently accessible. <i>ABA F216.6</i>	► Post signs at the entries that are not currently accessible directing visitors to the accessible entry on the west side of the building.	2	Short term
Interior Ramp	An interior ramp provides access from the entry to the exhibit space and sales area. The ramp does not currently provide handrails. <i>ABA 505.2</i>	► Install handrails (approximately 9' long) on both sides of the ramp. (Extensions at the top of the ramp won't be possible because of the sliding door at the top of the ramp.)	2	Short term
Ranger Office	The sign for the ranger office is currently printed on paper and taped to the door. A raised and Braille sign is not currently provided. <i>ABA F216.2</i>	► Add a raised and Braille sign.	2	Short term
Visitor Log	A visitor log is provided on a podium. The podium is currently at a height of 42". <i>ABA 902.3</i>	<input type="checkbox"/> Relocate the visitor log to an accessible location. ► Replace the podium with a style that has a maximum height of 36".	3	Long term

Touch-screen Kiosk	A touch-screen kiosk is available for visitors, the screen is currently 46" to the bottom, 55" to the top. ABA 308	<ul style="list-style-type: none"> ➤ Replace the kiosk with a unit that has the top of the screen (or highest operable part) at 48" maximum. <input type="checkbox"/> Modify the existing kiosk so the screen is no higher than 48". <input type="checkbox"/> Remove the kiosk. 	2	Long term
Video	A video is available for 'on-demand' viewing. A control switch for visitors to start the video is located in a corner at a height of 49". ABA 308, 305	<ul style="list-style-type: none"> <input type="checkbox"/> Relocate the button to a location that provides a clear floor space and 48" maximum height. <input type="checkbox"/> Modify the video start to work with a remote. ➤ No action at this time, a staff person can activate the video from the desk. 	3	Long term
Toilet Room (front)	The toilet is currently centered 20" from the side wall (instead of 16"-18"). A total of 60" clearance is provided. ABA 604.2	<ul style="list-style-type: none"> ➤ Relocate the toilet so it is centered 16"-18" from the side wall. 	3	Long term
Toilet Room (front)	The waste pipes on the lavatory are not currently insulated. ABA 606.5	<ul style="list-style-type: none"> ➤ Insulate the pipes at the lavatory. 	3	Short term
Toilet Room (front)	The locking mechanism for the door currently requires tight grasping and twisting of the wrist to operate. ABA 309.4	<ul style="list-style-type: none"> <input type="checkbox"/> Replace the door lock (integrated into the door lever). ➤ Add an additional lock. 	2	Long term
Toilet Room (back)	The toilet is currently centered 19" from the side wall (instead of 16"-18"). A total of 58" clearance is provided. ABA 604.2	<ul style="list-style-type: none"> <input type="checkbox"/> Relocate the toilet so it is centered 16"-18" from the side wall. ➤ No action, the front toilet room can be made fully accessible. 	3	Long term
Toilet Room (back)	A clearance at the toilet of 58" is currently provided perpendicular from the side wall (60" minimum required). ABA 604.3	<ul style="list-style-type: none"> <input type="checkbox"/> Relocate the lavatory to provide 60" minimum clearance. <input type="checkbox"/> Enlarge the room to provide 60" minimum clearance. ➤ No action, the front toilet room can be made fully accessible. 	3	Long term
Toilet Room (back)	The waste pipes on the lavatory are not currently insulated. ABA 606.5	<ul style="list-style-type: none"> <input type="checkbox"/> Insulate the pipes at the lavatory. ➤ No action, the front toilet room can be made fully accessible. 	3	Short term
Toilet Room (back)	The locking mechanism for the door currently requires tight grasping and twisting of the wrist to operate. ABA 309.4	<ul style="list-style-type: none"> <input type="checkbox"/> Replace the door lock (integrated into the door lever). <input type="checkbox"/> Add an additional lock. ➤ No action, the front toilet room can be made fully accessible. 	2	Long term

Toilet Room (back)	The door to the back toilet room currently provides a maneuvering clearance of 40" perpendicular from the door. (42" minimum required) ABA 404.2.4.2 (j)	<input type="checkbox"/> Remodel to provide maneuvering clearance at the door. <input checked="" type="checkbox"/> No action, the front toilet room can be made fully accessible.	3	Long term
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1. APIS Little Sand Bay – Visitor Contact Station. View of accessible parking and route to visitor contact station.



2. APIS Little Sand Bay – Visitor Contact Station. Accessible entry in to visitor contact station.



3. APIS Little Sand Bay – Visitor Contact Station. Front entry to visitor contact station.



4. APIS Little Sand Bay – Visitor Contact Station. Interior ramp.



5. APIS Little Sand Bay – Visitor Contact Station. The sign for the Ranger Office is currently paper taped onto the door.



6. APIS Little Sand Bay – Visitor Contact Station. The visitor log is currently on a podium at a height of 42".



7. APIS Little Sand Bay – Visitor Contact Station. The control for the video is currently located in the corner, at a height of 49".



8. APIS Little Sand Bay – Visitor Contact Station. The highest operable part of the kiosk is currently at 55".



9. APIS Little Sand Bay – Visitor Contact Station. The center line of the toilet in the front toilet room is currently 20".



10. APIS Little Sand Bay – Visitor Contact Station. The waste pipes at the sink are not currently wrapped or protected to prevent cuts and/or burns.



11. APIS Little Sand Bay – Visitor Contact Station. The locking mechanism at the toilet rooms requires tight pinching and twisting of the wrist.



12. APIS Little Sand Bay – Visitor Contact Station. Maneuvering clearance is not currently provided at the door to the back toilet room.

Little Sand Bay- Hokenson Brothers Fishery

The Hokenson Brothers Fishery is a commercial fishing museum and includes a Twine Shed, Ice House, Herring Shed and a dock. The fishery structures, including the dock, are listed on the National Register of Historic Places. Self guided and ranger led tours are available. In 2010 there were 96 tours were given to 508 people.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Trailhead- Wayside and brochure box	A wayside and a brochure box are located at the trailhead to the Hokenson Brothers Fishery. Currently both are located approximately 2' from the route. ABA 302	► Expand the hard surface to provide a route and clear floor space at the wayside and brochure box. <input type="checkbox"/> Relocate the wayside and brochure box so they provide a firm, stable surface with a clear ground space.	2	Short term
Route	The route from the parking lot towards the fishery is currently a relatively flat, hard packed stone and is approximately 48" wide. ABA 403	► Maintain the accessible route.	3	Long term
Route- to dock	The primary route to the dock and herring shed is a set of 22 wood steps. An old driveway with a 13.5% slope and approximately 100' distance is also available. ABA 402	► Establish a policy that allows visitors who are unable to use the stairs to drive their personal vehicle down the driveway.	2	Immediate

Ice House	The ice house is opened by staff when leading tours. The large sliding door can be opened and the ice house can be viewed from the exterior.	➤ No action, the ice house can be viewed from the exterior.	3	Long term
Dock	The route to the dock and herring shed is currently covered with sand from the beach. <i>ABA 302.1</i>	➤ Sweep the sand off of the route to the dock and the herring shed.	2	Short term
Herring Shed	There is a 6" vertical rise from the dock into the herring shed. It is possible to view into the herring shed from the dock. One of the rooms does not have a door and is open to visitors at all times. The other doors are opened by staff when leading tours. <i>ABA 303</i>	<input type="checkbox"/> Ramp up and create a 'platform' on the dock to eliminate the 6" step into each of the doors. ➤ No action, the shed can be viewed from the dock.	3	Long term
Twine Building	The north end of the twine building has a sliding door that is left in the open position when the visitor contact station is open. A large piece of plexiglass covers the opening to prevent people from entering while still providing a view into the twine building. There is a concrete pad in front of the sliding door. There is not currently a route from the driveway to the twine building (grass). <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route from the driveway to the twine building.	2	Short term
Twine Building	The east entry has a wood ramp with an 11.2% slope that leads to a 5" rise at the threshold and steps on the interior side. This entry is used to bring visitors into the twine building when on a guided tour. There is not currently an accessible route from the driveway to the twine building. <i>ABA F206.2</i>	➤ Modify the policy to use the sliding door as the entry into the twine building. (The plexiglass system would need to be modified.) <input type="checkbox"/> Modify the policy so no visitors enter the twine building. <input type="checkbox"/> Modify to provide a compliant ramp, including 1:12 maximum slope, eliminate the step at the threshold and provide a level landing at the top. Create a platform/landing on the interior of the building	2	Immediate



1. APIS Little Sand Bay – Hokenson Brothers Fishery.
Wayside.



2. APIS Little Sand Bay – Hokenson Brothers Fishery.
Route from visitor contact station to the fishery.



3. APIS Little Sand Bay – Hokenson Brothers Fishery.
Route from the twine shed to the dock.



4. APIS Little Sand Bay – Hokenson Brothers Fishery.
Driveway from twine shed to the dock.



5. APIS Little Sand Bay – Hokenson Brothers Fishery. Ice house.



6. APIS Little Sand Bay – Hokenson Brothers Fishery.
Route to herring shed. The stairs and platform on the right are the viewing platform for the Twilight, which is not currently on display.



7. APIS Little Sand Bay – Hokenson Brothers Fishery.
Route into herring shed.



8. APIS Little Sand Bay – Hokenson Brothers Fishery.
Twine shed. The barn door slides open and there is plexiglass that allows for viewing into the twine shed. A concrete pad is provided in front of the opening.



9. APIS Little Sand Bay – Hokenson Brothers Fishery.
Visitor entry to the twine shed. Tours include entering the twine shed through this entry.



9. APIS Little Sand Bay – Hokenson Brothers Fishery.
Interior view of visitor entry into the twine shed.

Little Sand Bay- Bathroom

The bathroom building provides separated multi-fixture men's and women's toilet facilities (with plumbing) as well as private changing rooms.

Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Parking	There are 4 designated accessible parking spaces. The spaces are currently 8' wide and share a total of 3 access aisles that are each 6'-3" wide. ABA 502	➤ At such time the parking lot is re-striped or re-surfaced, create fully compliant accessible parking spaces, including 1 van accessible space.	2	Short term

Route	A boardwalk style route has been created from the bathroom to the road. The boardwalk is 5' wide, 24' long and has a slope of 11.9%. <i>ABA 402</i>	➤ Replace the boardwalk with a configuration that has a maximum slope of 1:12 (8.3%).	2	Short term
Route	A boardwalk style route ends 11' from the road. The surface between the boardwalk and the road is rock (approximately 1"-2" diameter). <i>ABA F206.2</i>	➤ Provide a firm, stable surface between the end of the boardwalk and the road.	2	Short term
Men's and Women's Bathroom	There is not currently a raised and Braille sign at the entry to the bathrooms. <i>ABA F216.8</i>	➤ Add a sign with raised and Braille characters.	2	Short term
Men's and Women's Bathroom	The waste pipes on the lavatory are not currently insulated. <i>ABA 606.5</i>	➤ Insulate the pipes at the lavatory.	3	Short term
Men's and Women's Bathroom	The mirror is currently at 41 1/2" to the reflective surface (versus 40"). <i>ABA 603.3</i>	<input type="checkbox"/> Lower the existing mirror to 40" maximum to the reflective surface. ➤ Add a full height mirror.	2	Long term
Men's and Women's Bathroom	There are 4 changing rooms, currently 1 is accessible. The accessible room is 59" x 84" and includes a bench 59" x 24". The door currently swings "in" to the room. <i>ABA 803.3</i>	➤ Swing the door "out" of the room.	2	Short term
Men's and Women's Bathroom	The accessible changing room provides a bench that is 59" x 24" and is positioned against the 59" wall of the changing room. There is not currently a clear floor space positioned adjacent to the bench. <i>ABA 903.2</i>	➤ Replace the stationary bench with one that is 42" x 20" and positioned along the 84" wall. <input type="checkbox"/> Enlarge the changing room.	2	Short term
Women's Bathroom	The sanitary waste disposal in the accessible compartment is currently on the side wall opposite the toilet. <i>Universal Design</i>	➤ Relocate (or add) a sanitary waste disposal on the wall adjacent to the toilet.	3	Long term



1. APIS Little Sand Bay Restrooms. Accessible parking.



2. APIS Little Sand Bay Restrooms. View of restroom building and route from parking.



3. APIS Little Sand Bay Restrooms. Route from restroom building to visitor contact station.



4. APIS Little Sand Bay Restrooms. Entry and signage at restroom.



5. APIS Little Sand Bay Restrooms. The waste pipes at the sink are not currently wrapped or protected to prevent cuts and/or burns.



6. APIS Little Sand Bay Restrooms. Bench in changing room. The changing room does not currently provide clear floor space adjacent to the short edge of the bench.

APIS Little Sand Bay

Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Route to dock	The route to the dock is currently a road/driveway with a 15% slope for a distance of 100'. <i>ABA 1003.2</i>	► Create an accessible route to the dock.	1	Long term
Dock	The leg of the dock used for fueling was modified in fall 2011 (after site visit). The dock was lowered, creating a vertical change between the main dock and the modified leg. <i>ABA F206.2.9</i>	► Eliminate the vertical change between the dock segments.	2	Immediate
Beach Access	The beach access route connects to the dock. The route is 5' wide, 36' long and has a slope of 4.2%. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F248, 1018</i>	► Create an accessible beach access route.	1	Long term
Picnic Tables	There are currently 2 picnic tables positioned in the grass near the visitor contact station and 3 picnic tables positioned on the dock. The tables in the grass do not currently provide knee and toe clearance and are not located on an Outdoor Recreation Access Route (ORAR). The tables on the dock are currently accessible. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	□ Swap one of the picnic tables from the dock with one from the grassy area and locate it along an ORAR. ► At such time the picnic tables in the grass are replaced, provide an accessible picnic table and locate along an ORAR.	2	Short term
Grills	There are 2 grills positioned in the grass near the visitor contact station. Currently neither of the grills is located on an Outdoor Recreation Access Route (ORAR); 1 is at 35", 1 is at 44". <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.5</i>	□ Replace the grill with an accessible style and provide an ORAR. ► Remove the grills.	2	Long term

Trash / Recycling	A 6 compartment trash and recycling unit is currently provided near the visitor contact station. The unit is positioned in the grass and is 15' from an accessible route. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F245.5, 1011.2.1</i>	<ul style="list-style-type: none"> ➤ Create a firm, stable route to the trash and recycling container. ☐ Relocate the container so it is located along a firm, stable route (possibly position along the road). 	2	Long term
Staff Housing	The staff housing is not currently accessible. <i>ABA F233.4</i>	<ul style="list-style-type: none"> ☐ Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility, including an accessible entry. 	1	Long term



1. APIS Little Sand Bay. Route to dock and beach.



2. APIS Little Sand Bay. Fee station at dock.



3. APIS Little Sand Bay. Dock.



4. APIS Little Sand Bay. Dock. (See photo 9 for view of modified deck.)



5. APIS Little Sand Bay. Picnic area on dock.



6. APIS Little Sand Bay. Beach access route.



7. APIS Little Sand Bay. Picnic area and grill near the visitor contact station.



8. APIS Little Sand Bay. Trash and recycling in the grass near the visitor contact station.



9. APIS Little Sand Bay. View of vertical change between dock segments.

Meyers Beach

Survey Date: May 27, 2011

Tier: 1

Meyers Beach is located on the mainland, approximately 5 miles east of Cornucopia at the end of Meyers Road. Meyers Beach itself is popular for walkers, sunbathers, and swimmers. Meyers Beach is a popular starting point in summer and winter for visitors seeking to paddle or cross the ice to reach the mainland sea caves. Features provided at Meyers Beach including a parking lot, stairs to the beach, a ranger dugout, picnic tables, wayside kiosks and vault toilets. There is a trailhead to the Lakeshore trail that leads to the top of the cliffs above the sea caves as well as the only campsite on the mainland. In 2010 there were 12,632 visitors at Meyers Beach. The park's General Management Plan calls for construction of a small ranger station and a ramp to provide an accessible route to the beach.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fee Station	The fee station is positioned along an accessible route. The approach to the fee station is currently obstructed by the information sign. <i>ABA 305</i>	<ul style="list-style-type: none"> ➤ Relocate the information sign to provide a 30"x48" approach to the fee station. <input type="checkbox"/> Relocate the fee station so it is not obstructed by the informational sign. 	2	Short term
Ranger Dugout	A ranger dugout is provided near the stairs to the beach. There is currently a 12" step up to the dugout. <i>ABA F206.2</i>	<ul style="list-style-type: none"> ➤ Construct a ramp up to the dugout. 	2	Short term
Ranger Dugout-Picnic Table	There is 1 picnic table provided in the ranger dugout. The picnic table does not currently provide knee or toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Replace the picnic table with a style that provides knee and toe clearance. ➤ Swap this picnic table with one of tables located near the outhouse that provides knee and toe clearance. <input type="checkbox"/> At such time a ramp to the dugout is provided, ensure the picnic table provides knee and toe clearance. 	2	Short term
Beach Access Route	The route from the parking lot to the beach is currently 47 steps (8' wide, 16" tread depth, 6" rise). <i>Draft Accessibility Guidelines for Outdoor Developed Areas F248</i>	<ul style="list-style-type: none"> ➤ Create an accessible beach access route by constructing a ramp (including handrails). 	1	Long term
Beach Access-Wayside and Brochure	There is a 3 panel wayside with brochure boxes on the end closest to the stairs. The wayside is currently 2' to 6' off of the accessible route. The ground surface has become compacted in front of the wayside. <i>HFC Programmatic Accessibility Guidelines</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Relocate the wayside so it is positioned along the accessible route. ➤ Expand the accessible route so a firm and stable surface is provided in front of the wayside. 	3	Short term
Beach Access-Wayside and Brochure	The brochure boxes are currently at 38" and 55". (They were empty at the time of site inspection.) <i>ABA 308</i>	<ul style="list-style-type: none"> ➤ Provide some of both brochures in the box at 38". <input type="checkbox"/> Lower the box from 55" to 48" maximum (it may not be possible to fit both boxes on the same post). 	3	Short term

Pet Waste Station	There is a "Pet Waste Station" that provides bags for collecting dog waste as well as a trash receptacle located at the top of the stairs to the beach. The unit is along the accessible route, however the operable parts are located beyond the reach range. The lid of the trash is currently at 51", the bag dispenser is at 64". <i>Based on ABA 308</i>	<input type="checkbox"/> Lower the trash and bag dispenser so the highest operable part is no higher than 48".	2	Short term
Trailhead-Wayside and Brochure	There is a 2 panel wayside with brochure boxes on both ends. The wayside is currently installed 19" back from the accessible route. <i>HFC Programmatic Accessibility Guidelines</i>	<input type="checkbox"/> Relocate the wayside so it is positioned along the accessible route. ➤ Expand the accessible route so a firm and stable surface is provided in front of the wayside and up to the brochure boxes.	3	Short term
Trailhead-Sign	There is a sign at the trailhead indicating the distance to 2 features (sea caves and campsite). The sign does not currently include information about the characteristics (width, slope, cross slope, etc) of the trail. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017.11</i>	<input type="checkbox"/> At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Picnic	There are currently 6 picnic tables positioned in the grass near the outhouse. All of the tables provide positions with knee and toe clearance at both ends. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F245.2.1.2, 1011.4</i>	➤ Relocate 2 of the tables to a location along an Outdoor Recreation Access Route (ORAR). ➤ Create an ORAR and a hard surface pad for 2 of the picnic tables and link to the existing route.	2	Short term

Outhouse-Route	A route has been provided from the parking lot to the outhouses (2 within 1 building). There is currently a 3" vertical change between the ground surface and the concrete pad the outhouse is positioned on. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	➤ Eliminate the 3" vertical change.	2	Short term
Outhouse-Sign	The sign at the bathroom currently has Braille. Raised tactile characters are not currently provided. <i>ABA F216.8</i>	➤ Replace the existing sign with a style that provides raised and Braille characters.	3	Long term
Trash / Recycling	A 4 compartment trash and recycling unit is currently provided near the outhouse. A boardwalk is positioned in front of the unit. The timber border at the pedestrian route creates an obstacle to providing an accessible route to the unit. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2.1</i>	➤ Modify the timber border to create an accessible route to the trash / recycling unit. (Could be coordinated with eliminating the 3" vertical change to the concrete pad of the outhouse.)	2	Long term



1. APIS Meyers Beach. View of parking lot.



2. APIS Meyers Beach. View of fee station. The information sign currently blocks the approach to the fee station.



3. APIS Meyers Beach. View of ranger dugout.



4. APIS Meyers Beach. There is 1 picnic table provided in the ranger dugout.



5. APIS Meyers Beach. Route from parking lot to beach.



6. APIS Meyers Beach. View of waysides and pet waste disposal.



7. APIS Meyers Beach. View of waysides, brochure box and trailhead sign.



8. APIS Meyers Beach. View of trailhead.



9. APIS Meyers Beach. View of trail.



10. APIS Meyers Beach. View of route from picnic area to beach access.



11. APIS Meyers Beach. View of picnic area.



12. APIS Meyers Beach. View of vault toilets.



13. APIS Meyers Beach. View of vertical change in level at vault toilet.



14. APIS Meyers Beach. View of trash and recycling.

Mainland Campsite

The mainland campsite is located at the end of a trail, 4.5 miles from the Meyers Beach trailhead. The campsite is reached by the trail or kayak.

Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Campsite	A picnic table, fire ring, tent pad and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ Replace the existing picnic table with a style that provides knee and toe clearance.	2	Short term



1. APIS Meyers Beach Mainland Campsite. View of route from campsite to beach.



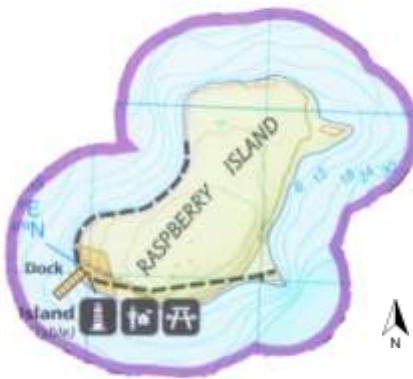
2. APIS Meyers Beach Mainland Campsite. View of tent pad.

Raspberry Island

Site Survey: May 23, 2011

Tier: 1

Raspberry Island is located 14 miles from Bayfield. The light station underwent major restoration in 2007. Half of the lighthouse has been furnished with period furnishings and guided tours are provided (the other half is used for staff housing). All of the light station structures are listed on the National Register of Historic Places. In 2010 there were 321 tours given to a total of 1,866 visitors. The park's General Management Plan considers Raspberry Light Station to be the focal point for cultural resource interpretation. The concession operated cruise service provides service to Raspberry Island from Bayfield on the Ashland Bayfield Express. Except for the light station and dock, Raspberry Island is part of the Gaylord Nelson Wilderness.



Light Station



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action Indicated by: ►)	Barrier Level	Timeframe
Dock: <i>There are 2 docks located near the light station at Raspberry Island. The primary dock is 15' wide and 100' long (approximately 50' of usable length). The small dock is 70' long (approximately 28' usable length).</i>				
National Register of Historic Places				
Dock- Small	There is cross slope exceeding 2% on the small dock. ABA 403.3	<ul style="list-style-type: none"> ➤ No action at this time, the primary dock provides a level surface. <input type="checkbox"/> At such time the small dock is modified, ensure the cross slope is addressed. 	3	Long term
Boathouse: <i>A boathouse is located at the dock. Currently the boathouse is used for storage and is not normally occupied.</i>				
National Register of Historic Places				
Boathouse	The boathouse is not currently located on an accessible route. ABA F202.1	<ul style="list-style-type: none"> ➤ No action at this time, this location is not normally occupied. If the function/use of this boathouse changes, ensure features of accessibility are provided. 	3	Long term
Light Station				
National Register of Historic Places				
Light Station-Route from dock	There is not currently an accessible route from the site arrival point to the light station. There are 75 steps from the dock up to the light station. ABA F206.2	<ul style="list-style-type: none"> <input type="checkbox"/> Create an accessible route from the dock to the light station using a mechanical device. <input type="checkbox"/> Create an accessible route from the dock to the light station with a ramp system. ➤ No action at this time. As technology advances and new mechanical devices are created they will be evaluated to determine if they meet the needs of the site. 	1	Long term
Light Station-Route	The route around the Light Station is currently concrete slab. The slabs (15" wide x 48" long from the top of the stairs to the signal house and 28" wide x 60" long from the signal house to the lighthouse) currently provide less than 36" clear route. ABA 403.5.1	<ul style="list-style-type: none"> <input type="checkbox"/> Remove and replace the concrete slabs with a firm, stable, slip resistant surface that is 36" wide minimum. ➤ Add an additional piece to the existing route to provide a 36" wide minimum width. 	2	Short term
Light Station-Route	There is not currently an accessible route into the out buildings, including a stable, privy, storage, etc. The buildings are not currently occupied and are only viewed from the exterior. ABA F206	<ul style="list-style-type: none"> <input type="checkbox"/> Create an accessible entry into each building. ➤ No action at this time. If the building use changes (such as using the largest building for retail) create an accessible route at that time. 	1	Long term
Fog Signal Building: <i>The fog signal building is typically closed to the public. The interior of the building may occasionally be included in a guided tour of the light station.</i>				
National Register of Historic Places				
Light Station-Route to Fog Signal Building	There is currently a 10" rise as the threshold of the signal building. ABA F206, ABA 303	<ul style="list-style-type: none"> <input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. to the west entry. ➤ No action at this time, the signal house can be viewed from the exterior. 	1	Long term

Light Station-Entry to Fog Signal Building	A single leaf of the double doors currently provides a 25 1/2" clear opening. ABA 404.2.3	<input type="checkbox"/> At such time the doors are replaced, replace with a wide/narrow style where a single leaf provides a 32" minimum clear opening. ➤ Prop both doors in the 'open' position when the building is open to the public.	2	Immediate
Light Station-Fee Station and Waysides	There is a fee station and a total of 3 wayside panels positioned in the grass near the trailhead. ABA 302	➤ Add an accessible route and approach to the fee station and waysides. <input type="checkbox"/> Relocate the fee station and waysides to an accessible location.	3	Short term
Light Station-Picnic Tables	There are currently 4 picnic tables positioned in grass near the trailhead. The tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic tables with a style that provides knee and toe clearance and is located on an Outdoor Recreation Access Route (ORAR).	2	Short term
Lighthouse: The lighthouse has 2 nearly identical sides- one side is currently used for guided tours, the other side is staff housing. There are period furnishings on the side used for tours. National Register of Historic Places				
Lighthouse-Rear Entry	There is currently a 31" rise to the rear entries of the lighthouse (there are 2 entries, 1 into the visitor side, the other in to the ranger housing). ABA F206, ABA 303	➤ Construct a ramp with 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Create an accessible route by installing a mechanical device.	1	Short term
Lighthouse-Rear Entry	There is currently a 2" vertical change at the threshold of the rear entries. ABA 404.2.5	➤ Eliminate the 2" vertical change when providing the accessible route.	2	Short term
Lighthouse-Rear Entry	The clear opening of the rear entry doors is currently 31". ABA 404.2.3	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. <input type="checkbox"/> Install 'swing clear hinges' to provide a 32" clear opening. ➤ No action at this time, a 31" clear opening is considered "usable by" the majority of individuals with disabilities.	3	Long term
Lighthouse-Rear Entry	The operable door hardware at the rear entries is currently a knob. ABA 309.4	<input type="checkbox"/> Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever). ➤ No action at this time. The doors are opened by staff (or volunteers) when the building is open for tours.	2	Long term
Lighthouse-Interior Doors	The clear opening of the interior doors is currently 31". ABA 404.2.3	<input type="checkbox"/> Remove and replace the doors with a style that provides 32" clear opening. <input type="checkbox"/> Remove the doors. ➤ No action at this time, a 31" clear opening is considered "usable by" the majority of individuals with disabilities.	3	Long term

Lighthouse-Ranger Housing	Staff housing occupies 1/2 of the lighthouse building. The main floor includes a kitchen, small bathroom with shower and 1 bedroom. There are 3 additional bedrooms on the 2nd floor. Currently no features of accessibility have been provided. <i>ABA F233.4</i>	<input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility as required by ABAAS.	1	Long term
Trailhead-Sign	There is a sign at the trailhead indicating the distance to the sandspit. The sign does not currently include information about the characteristics (width, slope, cross slope, etc) of the trail. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Vault Toilet- Sandspit: <i>There is 1 vault toilet located near the sandspit.</i> Gaylord Nelson Wilderness				
Sandspit-Vault Toilet	The vault toilet does not currently provide any features of accessibility. <i>ABA F213.2</i>	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet.	1	Long term
Sandspit-Vault Toilet	There is not currently an accessible route to the vault toilet at the sandspit. <i>ABA F206.2</i>	➤ Create an accessible route to the vault toilet.	1	Long term
Vault Toilet- Light Station: <i>There are 2 vault toilets located near the trailhead at the light station. There are plans for replacement of these vault toilets.</i>				
Light Station-Vault Toilets	The vault toilets do not currently provide any features of accessibility. <i>ABA F213.2</i>	➤ No additional action. The vault toilets were replaced after the site visit.	1	Immediate
Light Station-Vault Toilets	There is not currently an accessible route to the vault toilets at the light station. A portion of the route is boards that provide a 25" clear width and the remainder is grass. <i>ABA F206.2</i>	➤ Create an accessible route from the light station grounds to the vault toilet.	1	Long term



1. APIS Raspberry Island. View of 2nd dock. The 2nd dock has cross slope exceeding 2%. The main dock, used by the concession cruise ship, is level.



2. APIS Raspberry Island. View of boathouse.



3. APIS Raspberry Island. View of existing walkway connecting signal house to keepers house.



4. APIS Raspberry Island. View of route from dock to the light station.



5. APIS Raspberry Island. View of outbuildings.



6. APIS Raspberry Island. View of picnic area, waysides and fee station.



7. APIS Raspberry Island. View of fee station and wayside.



8. APIS Raspberry Island. Fog signal entry. A single leaf of the entry door currently provides a 25 1/2" clear entry. There is a 10" vertical rise.



9. APIS Raspberry Island. View of visitor entry to lighthouse (left) and staff housing (right).



10. APIS Raspberry Island. Knob style door hardware on the visitor entry to the lighthouse.



11. APIS Raspberry Island. View of lighthouse interior doors.



12. APIS Raspberry Island. View of trailhead



13. APIS Raspberry Island. View of trail surface.



14. APIS Raspberry Island. View of boardwalk at sandspit.



15. APIS Raspberry Island. View of route to vault toilets.
(Vault toilets being replaced Summer 2011, after site visit.)



16. APIS Raspberry Island. View of new vault toilets. (The vault toilets were replaced after site visit.)

Sand Island

Site visit: May 23, 3011

Tier: 1

Sand Island is on the western edge of the Apostle Islands archipelago. Due to its proximity to Little Sand Bay, there is a large number of visitors who kayak to Sand Island. The light station is located at the north end of the island, and all of the light station structures are listed on the National Register of Historic Places. A 2 mile trail connects the light station with the public dock at East Bay. In 2010 there were 436 tours given to a total of 1,578 visitors. Currently, visitors arrive at Sand Island is by private boat, water taxi or kayak.



Light Station



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock: <i>The public dock is located at the east side of Sand Island. The dock is currently 12' wide and 150' long (approximately 45' of usable length).</i>				
Dock	The surface of the dock is currently 'wavy' with multiple changes in elevation, gaps between boards and varying cross slopes. <i>ABA 1003.2, 401</i>	<input type="checkbox"/> Replace the walking surface of the dock. ► Replace the dock in its entirety.	2	Short term
	There is not currently an accessible route to the island from the dock. The dock currently ends in soft sand. <i>ABA F206.2</i>	► Create an accessible route to the island from the dock.	2	Short term
Light Station National Register of Historic Places				
Route	The route around the Light Station Quarters is currently concrete slab. The slabs around the Light Station Quarters are 28" wide x 40" long. The slabs toward the lake, trail and outbuilding are 18" wide x 40" long. <i>ABA 403.5.1</i>	<input type="checkbox"/> Replace the concrete slabs with a firm, stable, slip resistant surface that is 36" wide minimum. <input type="checkbox"/> Add additional width to concrete slabs by adding new precast units adjacent to existing to achieve an accessible width. ► Create an accessible route at the light station.	2	Long term
Route	There is not currently an accessible route from the site arrival point (dock at East Bay) to the light station. The 2 mile route is relatively flat and approximately 60% 'boardwalk' (with boards running parallel to the direction of travel, 24" wide). <i>ABA F206.2</i>	► Create an accessible route from the public dock to the light station.	1	Short term
Light Station Quarters: <i>The Light Station Quarters is located on the north end of Sand Island. It is currently used as housing for employees/volunteers as well as tours of the light. Currently, tours enter through the main entry of the Light Station Quarters. Interpretive plans for the building call for future visitor access to the kitchen entry.</i> National Register of Historic Places				
Entry	There is currently a 40" rise to the main entry of the Light Station Quarters. <i>ABA F206, 303</i>	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ► Create an accessible entry to the kitchen if the kitchen is used for visitor programs.	2	Long term

Kitchen Entry	There is currently a 7" rise to the kitchen entry of the Light Station Quarters. <i>ABA F206, 303</i>	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ➤ Create an accessible entry to the kitchen if the kitchen is used for visitor programs.	1	Long term
Kitchen Entry- Door Hardware	The operable door hardware at the kitchen entry to the Light Station Quarters is currently a knob style. <i>ABA 309.4</i>	<input type="checkbox"/> Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever). <input type="checkbox"/> Prop doors in the open position when the Light Station Quarters is open to the public, eliminating the need to use the knob style hardware. ➤ At such time the building is used by the public, replace the door hardware.	2	Long term
Kitchen Entry	There is currently a 1 1/8" rise at the threshold of the kitchen entry door. <i>ABA 404.2.5</i>	➤ Address the rise at the threshold when adding the ramp into the kitchen	2	Short term
Kitchen Entry- Vestibule	The vestibule at the kitchen entry does not currently provide 48" plus the width of the doors between the doors. <i>ABA 404.2.6</i>	➤ Remove the exterior door when the building is open to the public (possibly seasonally). <input type="checkbox"/> Position the exterior door in the open position (will need to accommodate for the landing/ramp). <input type="checkbox"/> Enlarge the vestibule to provide adequate space for the doors.	2	Immediate
Vault Toilet- Light Station				
Vault Toilet	The vault toilet does not currently provide any features of accessibility.	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet.	1	Long term
Vault Toilet- Route	There is not currently an accessible route to the vault toilet. <i>ABA F206.2</i>	➤ Create an accessible route to the vault toilet.	2	Long term
Camping- Dock Area: <i>There are currently 2 group campsites and 2 individual campsites, all located in close proximity to the dock.</i>				
Camping	Currently none of the campsites are accessible. Including a lack of accessible picnic tables, fire rings, grills, bear lockers and area for a tent. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.1</i>	➤ Modify 1 existing group site and 1 existing individual site to provide features of accessibility. <input type="checkbox"/> Create 1 new accessible group site and 1 new accessible individual site. <input type="checkbox"/> As individual pieces (tables, fire rings, etc.) are replaced, provide an accessible style. <input type="checkbox"/> At such time campsites are modified or relocated, create accessible campsites.	1	Immediate

Vault Toilets- Camping	There are 4 vault toilets (in 3 locations- 1 near NPS cabin, 1 near Group A, 2 near Group B) serving the camping areas. Currently none of the vault toilets provides any features of accessibility. (2 of the vault toilets are scheduled for replacement in Summer 2011, after site visit.) <i>ABA F213.2</i>	<input type="checkbox"/> Replace the existing vault toilets with accessible styles. <input type="checkbox"/> Replace a minimum of 1 vault toilet with an accessible style; at such time other vault toilets are replaced, replace with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet. ➤ No additional action. Accessible vault toilets were installed after site visit.	1	Immediate
Water Source	There is 1 water source for the camping areas, located near the NPS cabin. The water pump is currently positioned behind 2 raised boards, 25" x 48" at a height of 24". <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2.1</i>	➤ Create an accessible approach to the water pump. <input type="checkbox"/> At such time the water pump is replaced, create an accessible approach.	2	Long term
Camping: <i>There is 1 campsite located on the north side of the island on Lighthouse Bay.</i>				
Campsite	Currently no features of accessibility are provided at this campsite. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.1</i>	➤ No action at this site. Provide accessible camping near the dock.	1	Long term
NPS Cabin: <i>The NPS Cabin is located south of the dock. Currently there is no public use of the NPS Cabin, it is used for employees/volunteers. JQP, Inc. did not enter the NPS Cabin because it is not currently a public use space.</i>				
Staff Housing	The staff housing is not currently accessible and is not currently used. <i>ABA F233.4</i>	<input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility, as required by ABAAS.	1	Long term



1. APIS Sand Island. Dock.



2. APIS Sand Island. Dock surface.



3. APIS Sand Island. Dock ends in soft sand.



4. APIS Sand Island. Route between dock and camping area.



5. APIS Sand Island. Light Station. Typical route at light station.



6. APIS Sand Island. Light Station. Typical route around Light Station Quarters.



7. APIS Sand Island. Route from dock to Light Station.



8. APIS Sand Island. Route from dock to Light Station.



9. **APIS Sand Island.** Light Station Quarters.



10. **APIS Sand Island.** Light Station Quarters- kitchen entry.



11. **APIS Sand Island.** Light Station Quarters. View of kitchen entry from interior.



12. **APIS Sand Island.** Light Station Quarters. Main entry.



13. **APIS Sand Island.** Camping. Typical campsite amenities.



14. **APIS Sand Island.** Camping. Typical vault toilet.



15. APIS Sand Island. Water source.



16. APIS Sand Island. Campsite 3.



17. APIS Sand Island. Route to Campsite 3.



18. APIS Sand Island. NPS Cabin.

Stockton Island

Site Survey: 7.11.11 and 7.12.11

Tier: 1

Stockton Island is the largest island in the park. The island includes campsites, ranger housing, trails and a visitor contact station (seasonal). There are docks at Quarry Bay and Presque Isle. Except for a narrow strip along the shoreline from Quarry Bay to the historic Quarry and the southern tip of the island including the tombolo and Presque Isle Point, most of Stockton Island is included in the Gaylord Nelson Wilderness.



Stockton Island Quarry Bay

Quarry Bay is located on the south side of the island. There are currently 2 group and 1 individual campsites at Quarry Bay. (A third group campsite is currently closed to protect cultural resources. There are multiple archeological sites at Quarry Bay.) Currently visitors arrive at Quarry Bay by private boat, excursion boat, kayak or hiking from Presque Isle (the concession operated cruise boat will drop visitors at Quarry Bay on request). A trail connects Quarry Bay to Presque Isle.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action Indicated by: ►)	Barrier Level	Timeframe
Boardwalk	A boardwalk connects the dock to the fee station area. There is currently an abrupt drop-off (~4") at the end of the boardwalk in to the sand. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input checked="" type="checkbox"/> Modify the end of the boardwalk to eliminate the drop-off. <input type="checkbox"/> Extend the boardwalk to eliminate the drop-off.	2	Short term
Fee Station and Waysides	There is a fee station and 3 panel wayside located in the sand near the end of the boardwalk leading from the dock. <i>ABA 302</i>	<input type="checkbox"/> Add an accessible route and approach to the fee station. <input checked="" type="checkbox"/> Extend the boardwalk to create an accessible route to the fee station. <input type="checkbox"/> Relocate the fee station to an accessible location (possibly the dock).	3	Short term
Route- Quarry Bay	The route connecting the campsites and vault toilets at Quarry Bay is flat with a sand surface. The sand does not provide a firm, stable surface. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	<input checked="" type="checkbox"/> Create a Outdoor Recreation Access Route (ORAR) to at least 1 of the group campsites and the vault toilet serving the site.	1	Short term

Campsites- Group B, C	Picnic tables (2 at B, 3 at C), fire ring and bear locker are provided at the campsites. A grill is also provided at campsite C. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<ul style="list-style-type: none"> ➤ Add an accessible picnic table at 1 of the campsites. ➤ Replace the existing picnic table with a style that provides knee and toe clearance and is located on an Outdoor Recreation Access Route (ORAR). 	2	Long term
Campsites- B, C	The ground surface within the group campsites is currently sandy and does not provide a firm, stable surface. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	<ul style="list-style-type: none"> ➤ At one of the campsites, provide a firm, stable surface throughout the site. 	2	Long term
Campsite- 20	A picnic table, fire ring, tent pad and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<ul style="list-style-type: none"> ➤ Replace the existing picnic table with a style that provides knee and toe clearance. <input type="checkbox"/> No action. Campsite #1 is accessible. 	2	Long term
Vault Toilets	The 4 existing vault toilets (both doubles) do not currently provide any features of accessibility. <i>ABA F213.2</i>	<ul style="list-style-type: none"> ➤ Replace 1 of the existing vault toilets with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet. 	2	Long term
Trail	The trail to the Brownstone Quarry is not accessible. There are 23 steps at the trailhead and the trail surface is rocky and steep. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	<ul style="list-style-type: none"> <input type="checkbox"/> As new trails are developed, create an accessible trail. ➤ Take advantage of reconstruction and maintenance projects to consider providing features of accessibility such as passing spaces where appropriate. 	3	Long term
Staff Housing	The staff housing is not currently accessible and is not currently used. <i>ABA F233.4</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. <input type="checkbox"/> At such time remodeling occurs, provide features of accessibility, including an accessible entry. ➤ Remove staff housing and convert the location to an accessible group campsite. 	1	Long term



1. APIS Stockton Island Quarry Bay. View of dock.



2. APIS Stockton Island Quarry Bay. View of waysides.



3. APIS Stockton Island Quarry Bay. View of group campsite.



4. APIS Stockton Island Quarry Bay. View of group campsite, including bear locker and grill.



5. APIS Stockton Island Quarry Bay. View of site 20.



6. APIS Stockton Island Quarry Bay. View of Quarry Trail.



7. APIS Stockton Island Quarry Bay. View of typical vault toilet.



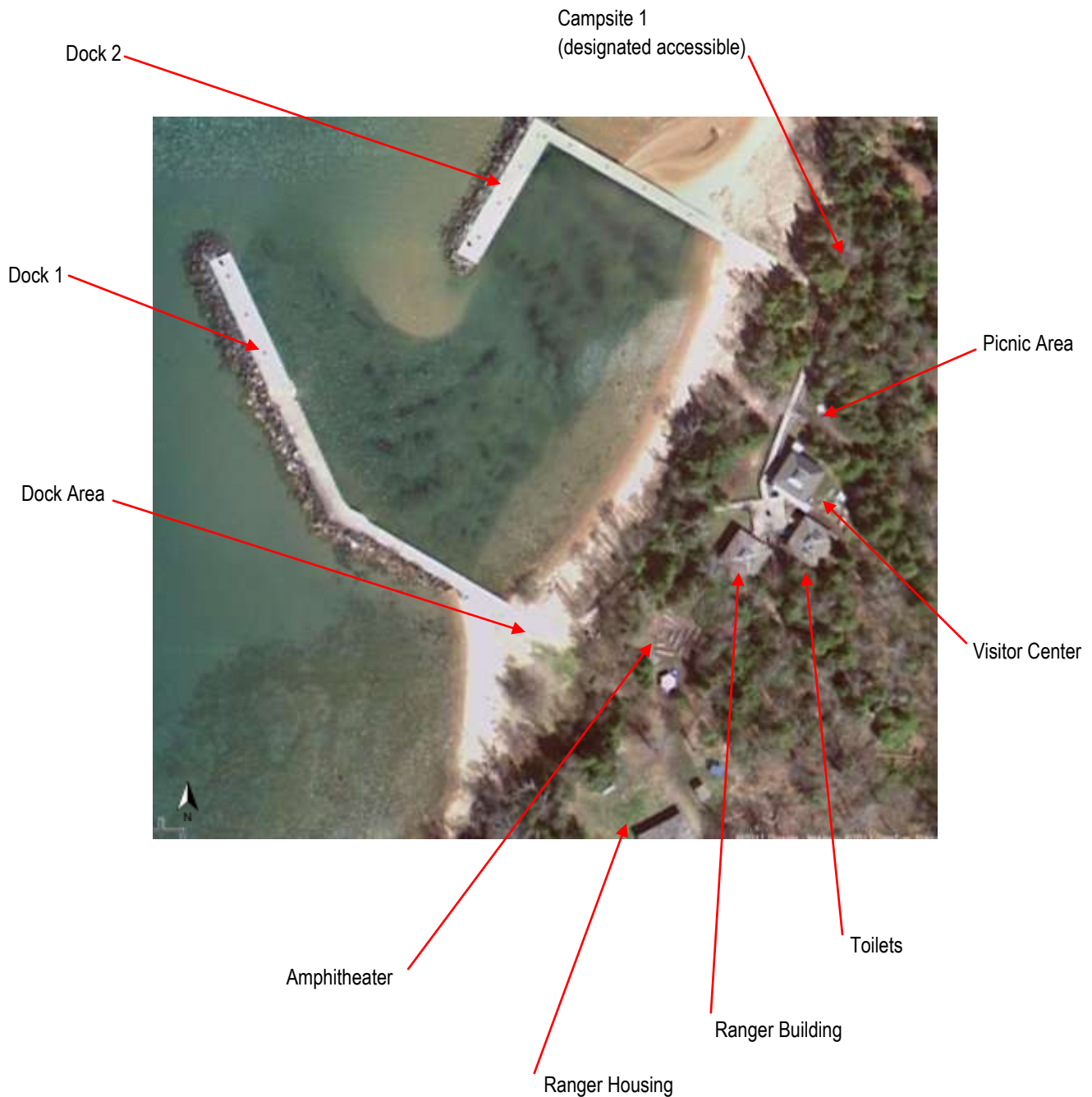
8. APIS Stockton Island Quarry Bay. View of typical vault toilet interior.



9. APIS Stockton Island Quarry Bay. View of former staff housing (no longer occupied).

Stockton Island Presque Isle

Presque Isle is located on the south side of the island. There are 17 individual campsites at Presque Isle, including 1 that has been designated as accessible. In addition to campsites, there is a visitor contact station, amphitheater and ranger housing. There are multiple archeological sites at Presque Isle. In 2010 there were a total of 1,472 visitors at the contact station. There are 3 formal interpretive programs that take place at Presque Isle, including: nature walk (44 tours to 309 visitors), introductory talk (33 tours to 736 visitors) and an evening program (66 programs for 856 visitors). The concession operated cruise service provides service to Presque Isle from Bayfield on the Ashland Bayfield Express.



Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fee Station and Waysides	There is a fee station and wayside located in the sand near the boardwalk leading from dock 1. <i>ABA 302</i>	<input type="checkbox"/> Add an accessible route and approach to the fee station. ► Extend the boardwalk to create an accessible route to the fee station. <input type="checkbox"/> Relocate the fee station to an accessible location.	3	Short term
Dock Area	There is a gathering area on shore near dock 1 that provides 2 picnic tables, a boot scraper, bear locker and hot coal box; all are positioned in grass. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	► Expand the boardwalk or provide other firm, stable surface to provide a route to 1 of the picnic tables, the boot scraper and hot coal box. <input type="checkbox"/> Provide a firm, stable surface throughout the gathering area. <input type="checkbox"/> Relocate 1 of the picnic tables, the boot scraper and the hot coal box so they are located along the existing boardwalk.	2	Short term
Dock Area- Ramp	A wood ramp creates an accessible route from Dock 1 to the visitor center, ranger station, vault toilets and campsite 1. The ramp does not currently have compliant handrails but does have guardrails on both sides. <i>ABA 505.2</i>	► Add handrails to both sides of the ramp (~175 in ft).	2	Short term
Dock 2	The 2nd dock is not currently located on an accessible route, there are 17 steps on the route from the dock to the ranger station and campsites. <i>Based on ABA F216.6</i>	<input type="checkbox"/> Post a sign on the dock regarding the availability of an accessible route at Dock 1. ► Add information to park brochures and websites regarding the availability of an accessible route at Dock 1.	1	Immediate
Visitor Center- Entry	There is currently knob style hardware at the entry door to the visitor center. <i>ABA 309.4</i>	► Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever).	2	Short term
Visitor Center- Counter	The counter is currently at 42". A clipboard is currently used for guests to register for a campsite. <i>ABA 904.4.1</i>	<input type="checkbox"/> Replace the counter with a style that provides a 36" wide section at 36" high maximum. ► Modify the existing counter to provide a 36" wide section at 36" high maximum.	3	Long term

Visitor Log	A visitor log is provided on a podium. The podium is currently at a height of 37". <i>ABA 902.3</i>	<input type="checkbox"/> Relocate the visitor log to an accessible location. ➤ Replace the podium with a style that has a maximum height of 36".	3	Long term
Ranger Building	There is currently knob style hardware at the entry door to the ranger building. <i>ABA 309.4</i>	➤ Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever).	2	Long term
Drinking Fountain	The exterior drinking fountain near the visitor center currently has a spout height of 38". <i>ABA 602.5</i>	➤ Lower the existing drinking fountain to 36" maximum. <input type="checkbox"/> Replace the existing drinking fountain with a dual height style that has 1 spout at 36" maximum with knee and toe clearance and 1 spout at 38"-43".	3	Long term
Water Source	A water source is provided near site 1. An accessible route is provided up to the water source. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2..1</i>	➤ At such time the water source or the boardwalk is modified provide a clear ground space that is 48" x 72" minimum.	3	Long term
Amphitheater	There is an amphitheater with benches and a fire ring that is used for campfires and ranger led activities. There is a boardwalk and ramp system providing an accessible route up to the amphitheater. The ground surface surrounding the amphitheater is grass and compacted dirt. <i>ABA F221.1</i>	➤ Extend the boardwalk to create a wheelchair viewing position that is integrated with the existing bench seating.	3	Long term
Picnic Area	There is a picnic area with 1 picnic table and 1 grill located in the grass near the visitor center. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance and is located on an Outdoor Recreation Access Route (ORAR). <input type="checkbox"/> Eliminate the picnic area.	2	Long term

Vault Toilets- Adjacent to Visitor Center	There are men's and women's vault toilets (2 each) located on an accessible route. They have been designated as accessible but currently the only feature provided is grab bars. <i>ABA F213.2</i>	<input type="checkbox"/> Reconfigure the interior partitions in the toilet rooms to provide an accessible compartment. <input type="checkbox"/> Convert one of the toilet rooms (likely men's) to a single user, unisex accessible toilet room. <input type="checkbox"/> Add an additional accessible vault toilet, located on an accessible route.	1	Immediate
Vault Toilets- Adjacent to Visitor Center	There are signs designating "men" and "women". The signs do not currently include raised or Braille characters. <i>ABA F216.8</i>	➤ Install signs on the wall adjacent to the latch side of the door that includes raised and Braille characters.	2	Short term
Trailhead Signs	The signs at the trailhead do not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Julian Bay Trail	The 0.4 mile Julian Bay Trail is mostly flat with a compacted dirt surface. There are portions of the trail that are wood with a 36" clear width. The end of the trail near Julian Bay is steeper and rocky. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	<input type="checkbox"/> Modify the end of the trail to provide an accessible trail. ➤ Take advantage of reconstruction and maintenance projects to consider providing features of accessibility such as passing spaces where appropriate.	2	Long term
Julian Bay Trail- Tombolo Overlook	There is currently a 2" vertical change from the trail surface to the wood deck of the overlook. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input type="checkbox"/> Extend the wood overlook to "ramp" up to the overlook and bevel the edge. <input type="checkbox"/> Build up the surface material on the trail to eliminate the 2" change. ➤ At such time the trail is made accessible, eliminate the 2" vertical change and connect to the trail.	2	Long term
Julian Bay- Beach Access	The Julian Bay Trail ends at the sand. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F248</i>	<input type="checkbox"/> Create an accessible beach access route.	1	Long term

Vault Toilet-Julian Bay	There is a vault toilet located near Julian Bay. the vault toilet does not currently provide any features of accessibility. It is 40" wide x 52" deep and provides a 21 1/2" clear door opening. <i>ABA F213.2</i>	<ul style="list-style-type: none"> ➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet. 	1	Long term
Vault toilet-Julian Bay	There is not currently an accessible route to the vault toilets from the campsites. A boardwalk has been added over the sand, it is currently 32" wide and some of the boards are spaced 3" apart. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	<ul style="list-style-type: none"> ➤ Replace the existing boardwalk with a style that provides 36" minimum width. 	2	Long term
Campsite #1-Picnic Table	Campsite #1 is the designated accessible campsite, it is located on an accessible route from Dock 1 and the visitor center. Many features of accessibility have been provided. Clear ground space is not currently provided on all sides of the picnic table. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2.1</i>	<ul style="list-style-type: none"> ➤ Relocate the existing picnic table to provide 36" along all sides of the picnic table. 	2	Immediate
Campsite #1-Fire Ring	Clear ground space is not currently provided around the fire ring. The space is reduced to 42". <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2.1</i>	<ul style="list-style-type: none"> ➤ Relocate the fire ring so a 48" x 48" clear ground space is provided on all sides. 	3	Short term
Campsite #1-Tent Pad	The tent pad is positioned in the corner of the defined space and is 11'-8" x 17'-7". The position in the corner provides 2 usable sides, both currently provide 48" clear ground space. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.2.1</i>	<ul style="list-style-type: none"> ➤ Relocate the tent pad so a 48" wide clear ground space is provided on all sides. (Clear ground space is only required on the usable sides, however providing clear ground space on all sides would make the tent pad easier to use.) 	3	Long term

Campsite #1-Sign	The boardwalk leads directly from the visitor center to site 1, there is a sign indicates that it is site 1, but directional signs to sites 2-19 are not provided. Many visitors cut directly through site 1 on the way to the Quarry Bay Trail and other campsites. <i>Recommendation</i>	➤ Post a sign indicating the direction to the Quarry Bay Trail and sites 2-19 to prevent cutting through site 1.	3	Immediate
Campsites 2-19	Campsites 2-19 are located along the Quarry Bay Trail. A picnic table, tent pad, fire ring and bear locker are provided at each of the campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance. ➤ No action. Campsite #1 is accessible.	2	Long term
Campsites-2-19	Campsites 2-19 are located along the Quarry Bay Trail. The trail is not accessible. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	➤ No action. Campsite #1 is accessible.	1	Long term
Vault Toilets-2-19	There are 7 vault toilets (3 doubles, 1 single). The existing vault toilets do not currently provide any features of accessibility. <i>ABA F213.3</i>	<input type="checkbox"/> Replace 1 of the existing vault toilets with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet at a location served by an Outdoor Recreation Access Route (ORAR). ➤ No action. Provide an accessible toilet at the visitor center.	1	Long term
Beach Access	Campsites 9 and 14 have been converted to beach access routes and provide a "sand ladder". There is not currently an accessible beach access route. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F248</i>	➤ Create an accessible beach access route near site 1 (a sand ladder is currently provided at this location).	1	Short term
Staff Housing	The staff housing is not currently accessible and is not used by the public. <i>ABA F233.4</i>	<input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility as required by ABAAS.	1	Long term



1. APIS Stockton Island Presque Isle. View of dock 1. This dock is used by the concession cruise.



2. APIS Stockton Island Presque Isle. View of route to visitor center. The dock area provides a fee station and boot scraper that are currently located in the grass.



3. APIS Stockton Island Presque Isle. View of hot coal box.



4. APIS Stockton Island Presque Isle. Route from dock 1 to the visitor center. Handrails are not currently provided on the ramp.



5. APIS Stockton Island Presque Isle. View of dock 2.



6. APIS Stockton Island Presque Isle. View of fee station at dock 2, located adjacent to the dock.



7. APIS Stockton Island Presque Isle. Route from the visitor center to dock 2.



8. APIS Stockton Island Presque Isle. View of visitor center.



9. APIS Stockton Island Presque Isle. The counter at the visitor center is currently at 42".



10. APIS Stockton Island Presque Isle. View of amphitheater. Benches are positioned in the grass around a fire ring.



11. APIS Stockton Island Presque Isle. Route from the visitor center to the amphitheater.



12. APIS Stockton Island Presque Isle. View of drinking fountain near the visitor center.



13. APIS Stockton Island Presque Isle. Water source, located adjacent to campsite 1.



14. APIS Stockton Island Presque Isle. Entry to vault toilets at visitor center.



15. APIS Stockton Island Presque Isle. Interior of vault toilet room at visitor center, this location is currently designated as accessible.



16. APIS Stockton Island Presque Isle. View of Julian Bay Trail.



17. APIS Stockton Island Presque Isle. View of Julian Bay Trail.



18. APIS Stockton Island Presque Isle. View of vault toilet at Julian Bay.



19. APIS Stockton Island Presque Isle. Boardwalk from Julian Bay to vault toilet.



20. APIS Stockton Island Presque Isle. View of Anderson Point Trail.



21. APIS Stockton Island Presque Isle. View of Quarry Bay Trail near campsites.



22. APIS Stockton Island Presque Isle. View of designated beach access route.



23. APIS Stockton Island Presque Isle. Bench provided at beach access route.



24. APIS Stockton Island Presque Isle. View of "sand ladder".



25. APIS Stockton Island Presque Isle. Campsite 1 is the designated accessible campsite.



26. APIS Stockton Island Presque Isle. View of bear locker and fire ring in campsite 1.



27. APIS Stockton Island Presque Isle. View of picnic table in campsite 1. Extensions provide knee and toe clearance on both ends.



28. APIS Stockton Island Presque Isle. View of tent pad in campsite 1.



29. APIS Stockton Island Presque Isle. View of typical campsite.



30. APIS Stockton Island Presque Isle. View of typical vault toilet and trash collection.



31. APIS Stockton Island Presque Isle. View of typical vault toilet interior.



32. APIS Stockton Island Presque Isle. View of staff housing.

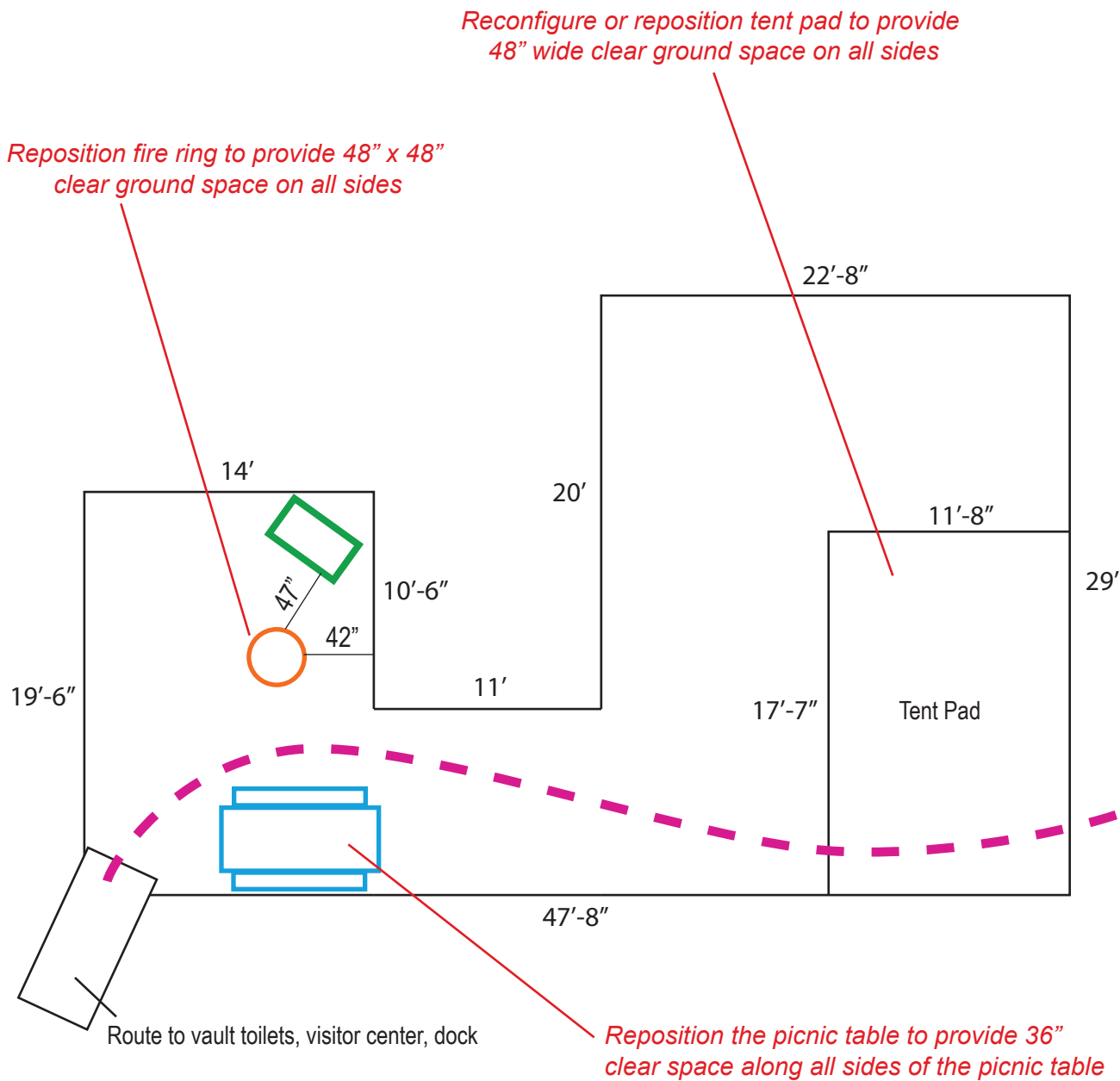
APIS Trout Point Campsite

The Trout Point campsite is located on the north side of the island. It is approximately 5.3 miles from the dock at Presque Isle. The campsite is located within the Gaylord Nelson Wilderness.

Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Campsite 21	A picnic table, fire ring and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ No action. The campsite is located within the Gaylord Nelson Wilderness. Picnic tables are not typically provided within wilderness campsites.	2	Long term

Stockton Island- Presque Isle

Campsite #1 (accessible)



Key:



Fire Ring



Bear Locker



Picnic Table



Route to Quarry Bay Trail and sites 2-19 taken by many visitors

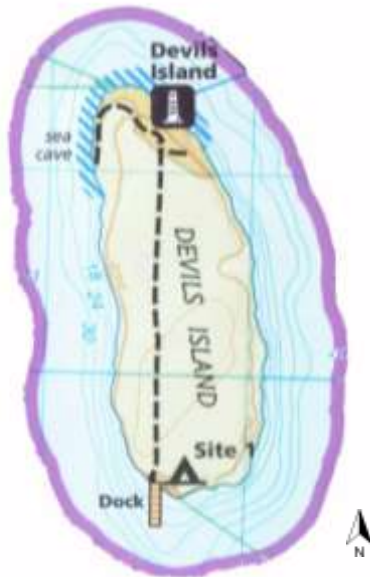
Not to scale

Devils Island

Site Visit: May 24, 2011

Tier: 2

Devils Island is the northernmost point in the state of Wisconsin. Except for the light station and dock, Devils Island is part of the Gaylord Nelson Wilderness. All of the light station structures, including docks, are listed or eligible for the National Register of Historic Places. Guided tours of the Light Tower are provided. In 2010 there were 204 tours given to a total of 793 visitors. Visitors currently arrive at Devils Island by private boat, water taxi or kayak.



Dock Area



Light Station



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock: <i>There are 2 docks on the south end of Devils Island. The west dock is currently 12' wide and 144' long (usable on one side only). There is a boathouse associated with the dock.</i> National Register of Historic Places				
West Dock	There is currently a cross slope on the dock. <i>ABA 1003.2, 401</i>	<input type="checkbox"/> Replace the walking surface of the dock. <input type="checkbox"/> Replace the dock.	3	Long term
Boathouse	The boathouse associated with the dock is not currently on an accessible route. It is the understanding of JQP, Inc. that this boathouse is not open to visitors. <i>ABA 1003.2, 401</i>	<input type="checkbox"/> Create an accessible route to the boathouse. ► No action at this time, this building is not occupied.	1	Long term
Light Station National Register of Historic Places				
Light Station-Route	There is not currently an accessible route connecting the various structures of the light station, including: Keepers Quarters, Assistant Keepers Quarters, Fog Signal Building or the Light Tower. There are segments of concrete path throughout the light station, but they do not connect all of the structures. <i>ABA 403.5.1</i>	<input type="checkbox"/> Create an accessible route (new or rehabilitated existing path). ► No action, there is no public access within these structures other than the light tower.	2	Long term
Light Station-Route	There is not currently an accessible route from the site arrival point (dock at the south end of Devils Island (boathouse site) or the east landing near the light station) to the light station. There are steep segments on the ~1 mile route from the dock, the east landing is directly onto the rocks. <i>ABA F206.2</i>	► No action at this time. The route from the dock to the light station is within the Gaylord Nelson Wilderness. Provide a light station experience at an accessible location.	2	Long term
Light Station-Picnic Tables	There are currently 2 picnic tables located in the grass of the light station. The picnic table does not currently provide a wheelchair accessible position. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic tables with an accessible style. ► At such time the existing picnic tables are in need of replacement, replace with a style that is accessible and is located on an Outdoor Recreation Access Route.	2	Long term

Keepers Quarters: <i>The Keepers Quarters is currently used by visitors to Devils Island as well as for employee/volunteer housing. It is the understanding of JQP, Inc. that visitor use will be discontinued at this building.</i> National Register of Historic Places				
Keepers Quarters	There is currently a 35" rise to porch of the main entry. ABA F206, 303	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ➤ At such time work occurs, provide an accessible route to the building entry.	1	Long term
Keepers Quarters-Door Hardware	The operable door hardware at the main entry is currently a knob style on the main door and thumb-latch style on the screen door. ABA 309.4	➤ Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever).	2	Long term
Keepers Quarters-Entry	There is currently a 10" rise at the threshold of the entry door. ABA 404.2.5	➤ Address the 10" rise at the threshold at such time an accessible route is added.	1	Long term
Vault Toilet- Light Station:				
Vault Toilet-Light Station	The vault toilet does not currently provide any features of accessibility and is currently located up 8 steps due to the shallow depth to bedrock. ABA F213.2	<input type="checkbox"/> Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet. ➤ Continue to evaluate alternate toilet styles and options that will work with the shallow bedrock/terrain.	1	Long term
Vault Toilet-Light Station	There is not currently an accessible route to the vault toilet. ABA F206.2	➤ Create an accessible route to the accessible vault toilet (when provided).	2	Short term
Camping:				
Camping	There is one campsite provided near the dock. Currently no features of accessibility are provided at this campsite. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.1</i>	<input type="checkbox"/> Modify the existing campsite to provide features of accessibility. ➤ No action at this time. Accessible camping is provided at other locations within the park.	1	Long term
Vault Toilet-Camping	There is 1 vault toilet serving the camping area. Currently the vault toilet does not provide any features of accessibility. ABA F213.2	<input type="checkbox"/> Replace the existing vault toilet with accessible styles. <input type="checkbox"/> Add an additional, accessible vault toilet. ➤ At such time the existing vault toilet is replaced for other reasons, replace with an accessible style.	1	Long term



1. APIS Devils Island. Dock and Boathouse.



2. APIS Devils Island. Dock cross slope.



3. APIS Devils Island. Light Station. There are segments of a hard surface route throughout the light station.



4. APIS Devils Island. Light Station. Route from the dock includes steep sections near the dock.



5. APIS Devils Island. Light Station. Typical view of route from dock (boathouse site)



6. APIS Devils Island. Assistant Keepers Quarters.



7. APIS Devils Island. Keepers Quarters. Main entry not currently accessible.



8. APIS Devils Island. Vault Toilet.



9. APIS Devils Island. Campsite.



10. APIS Devils Island. Campsite.

Manitou Island

Site Survey: July 12, 2011

Tier: 2

Manitou Island is located 13 miles northeast of Bayfield. The island is home to the Manitou Fish Camp, which is on the National Register of Historic Places. Self-guided and guided tours of the fish camp are available. In 2010 there were 128 tours given to 534 visitors. Near the fish camp there is a vault toilet and a picnic area. There is 1 campsite on Manitou Island that is located approximately 2 miles north of the fish camp. Except for the fish camp, Manitou Island is part of the Gaylord Nelson Wilderness. Visitors currently arrive at Manitou Island by private boat, water taxi or kayak.



Manitou Fish Camp



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fish Camp National Register of Historic Places				
Fish Camp-Governor's Cabin	The Governor's Cabin has been staged with period furnishings and is open for the public to enter. There is currently a 3 1/2" vertical rise on the exterior side of the entry door. <i>ABA 303</i>	<ul style="list-style-type: none"> ➤ Reinstall the wood walkway/deck to eliminate the 3 1/2" vertical change. <input type="checkbox"/> Construct a ramp to eliminate the 3 1/2" vertical change. 	2	Short term
Fish Camp-Governor's Cabin	There is currently a 3/4" rise on the interior side of the entry door threshold. <i>ABA 303</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Modify the threshold to eliminate the 3/4" rise. ➤ Add a threshold adapter to eliminate the 3/4" rise. 	2	Short term
Fish Camp-Governor's Cabin	Maneuvering clearance is not currently provided on the exterior side of the entry door. <i>ABA 404</i>	<ul style="list-style-type: none"> ➤ Enlarge the walkway/deck to extend a minimum of 18" beyond the latch side of the door. 	2	Long term
Fish Camp-Twine Shed #6	There is not currently an accessible route into Twine Shed #6 which has been staged with period artifacts. There is a total of an 18" rise into the building. <i>ABA F206.2</i>	<ul style="list-style-type: none"> ➤ No action. The shed can be viewed from the exterior. <input type="checkbox"/> Discontinue allowing visitors into the shed. 	1	Long term
Fish Camp-Route	The route throughout the Fish Camp is grass, sand and compacted dirt. <i>ABA F206.2</i>	<ul style="list-style-type: none"> ➤ Modify to provide a firm, stable route throughout the Fish Camp and connect to the trailhead (subject to SHPO approval). 	2	Long term
Picnic Area	A picnic area with 2 picnic tables and a fire ring located up the hill from the Fish Camp. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<ul style="list-style-type: none"> ➤ Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance and is located on an Outdoor Recreation Access Route (ORAR). 	2	Long term
Picnic Area and Vault Toilet- Route	The picnic area and vault toilet are located up the hill from the Fish Camp. The route is currently steep and includes water diversion/steps. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F245.5</i>	<ul style="list-style-type: none"> <input type="checkbox"/> Create an accessible route to the picnic area and vault toilet. (Note, creating an accessible route to the current picnic area and vault toilet location will be difficult due to the terrain and historic designation of the fish camp.) ➤ Relocate the picnic area and vault toilet to an accessible location. 	1	Long term

Vault Toilets	There is a double vault toilet, currently no features of accessibility are provided. <i>ABA F213.2</i>	➤ Replace the existing vault toilet with an accessible style at an accessible location (subject to SHPO approval). <input type="checkbox"/> Add an additional accessible vault toilet.	1	Long term
Trail	There is an approximately 2 mile trail from the dock to the campsite. The trail surface is narrow, has tree roots and rocks and has steep segments. The trail is located in the Gaylord Nelson Wilderness <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	➤ No action. The trail is within the Gaylord Nelson Wilderness.	1	Long term
Trailhead Sign	The sign at the trailhead does not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Camping: <i>There is 1 campsite located 2 miles from the dock. Gaylord Nelson Wilderness</i>				
Campsite	A picnic table, fire ring and bear locker are provided in the campsite. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ No action. The campsite is within the Gaylord Nelson Wilderness.	2	Long term



1. APIS Manitou Island. View of dock.



2. APIS Manitou Island. View of fee station. The movable table currently obstructs the approach to the fee station.



3. APIS Manitou Island. View of fish camp.



4. APIS Manitou Island. View of Governor's Cabin. Maneuvering clearance is not currently provided on the pull side of the door.



5. APIS Manitou Island. View of interior of Governor's Cabin. Visitors are allowed to enter the cabin.



6. APIS Manitou Island. View of twine shed #5. Visitors can view into the twine shed, but are not allowed to enter.



7. APIS Manitou Island. View of trail and trailhead.



8. APIS Manitou Island. View of route to picnic area and vault toilets.



9. APIS Manitou Island. View of picnic area, including 2 picnic tables and a fire ring.



10. APIS Manitou Island. View of double vault toilet.



11. APIS Manitou Island. Interior of vault toilet.



12. APIS Manitou Island. View of campsite 1.



13. APIS Manitou Island. View of staff housing.

Michigan Island

Site Visit: May 24, 2011

Tier: 2

Michigan Island is the southeastern-most outpost of the Apostle Islands archipelago. The light station includes 2 light towers. Currently tours are provided of the Second Tower. The dock is located near the light station on the south side of the island. Except for the light station and dock, Michigan Island is part of the Gaylord Nelson Wilderness. All of the light station structures are listed on the National Register of Historic Places. In 2010 there were 181 tours given to a total of 832 visitors. Visitors currently arrive at Michigan Island by private boat, water taxi, kayak or special cruises during the Lighthouse Celebration during late summer.



Light Station



Keepers Quarters

Second Tower

Old Michigan Island Lighthouse

Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock: The dock has two sections. The section perpendicular to the shore is 16' wide and 75' long (approximately 28' of usable length). The surface is primarily concrete, but the end of the dock is a pier with a wood deck. The section parallel to the shore is 12' wide and 150' long. The water is so shallow it is generally not usable.				
Dock-Surface	The wooden surface of the pier at the end of the primary dock is currently 'wavy' with multiple changes in elevation, gaps between boards and changes in cross slope. ABA 1003.2, 401	<ul style="list-style-type: none"> ► Replace the walking surface of the dock. <input type="checkbox"/> Replace the dock. 	2	Short term
Light Station National Register of Historic Places				
Light Station-Route	The route around the Light Station is currently concrete slab. The slabs currently provide less than 36" clear route because they are overgrown with grass. ABA 403.5.1	<ul style="list-style-type: none"> <input type="checkbox"/> Remove and replace the concrete slabs with a firm, stable, slip resistant surface that is 36" wide minimum. <input type="checkbox"/> Trim and push back the grass around the concrete slabs to get the maximum clear width possible (35"-36"). <input type="checkbox"/> Add additional width to concrete slabs by adding new precast units adjacent to existing to achieve an accessible width. ► Create a 36" wide route. 	3	Short term
Light Station-Route	There is not currently an accessible route from the site arrival point to the light station. There are 123 steps from the dock up to the light station. ABA F206.2	<ul style="list-style-type: none"> <input type="checkbox"/> Create an accessible route from the dock to the light station using a mechanical device. <input type="checkbox"/> Create an accessible route from the dock to the light station with a ramp system. ► No action at this time. Provide an accessible light station experience at an alternate location. 	1	Long term
Light Station-Route	There is not currently an accessible route into the following buildings: shed, privy, Keepers Quarters, power house or workshop. ABA F206	<ul style="list-style-type: none"> <input type="checkbox"/> Create an accessible entry into each of the buildings. ► No action at this time as these are not public buildings. 	1	Long term
Light Station-Picnic	There are currently 2 picnic tables and a fire pit located in the grass of the light station. The picnic table does not currently provide a wheelchair accessible position. Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4	<ul style="list-style-type: none"> <input type="checkbox"/> Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic tables with an accessible style. ► At such time the existing picnic tables are in need of replacement, replace with a style that is accessible and is located on an Outdoor Recreation Access Route. 	2	Long term

Light Station-Fee Station	The fee station is currently located in the grass at the top of the steps. ABA 302	<input type="checkbox"/> Add an accessible route and approach to the fee station and waysides. ➤ Relocate the fee station and waysides to an accessible location (possibly the dock).	3	Short term
Old Michigan Island Lighthouse: <i>The Old Michigan Island Lighthouse is currently used for escorted tours. There are plans for the Old Lighthouse to be used for self-guided exhibits of the main floor.</i> National Register of Historic Places				
Entry	There is currently a 12" rise to the main entry of the Old Michigan Island Lighthouse. ABA F206, 303	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. ➤ Construct a 'ramp' with a 1:20 maximum slope. <input type="checkbox"/> Create accessible entry at kitchen door.	1	Short term
Entry	There is currently a 1/2" vertical change at the threshold of the main entry of the Old Michigan Island Lighthouse. ABA 404.2.5	➤ Add a threshold adapter to eliminate the change in level. <input type="checkbox"/> Replace the wood threshold adapter with a beveled design.	3	Short term
Entry	The clear opening of main entry door is currently 29". ABA 404.2.3	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. ➤ Remove the trim/stop to get a 30 3/4" clear opening up to wheelchair height.	3	Short term
Door Hardware	The operable door hardware at the main entry to the Old Lighthouse is currently a knob style. ABA 309.4	<input type="checkbox"/> Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever). ➤ Prop doors in the open position when the Old Lighthouse is open to the public, eliminating the need to use the knob style hardware.	2	Short term
Interior Doors	The clear opening of the interior doors is currently 31" at the living room and kitchen, 29" to the former bathroom*. *The bathroom door is not intended for user passage, it will be held in the open position to allow for light. ABA 404.2.3	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. ➤ Remove the door.	3	Short term
Clear Width	The interior route to the light tower is 34" wide for a distance of 30". ABA 403.5.1	<input type="checkbox"/> Widen the opening to 36" minimum. ➤ No action, widening the opening is technically infeasible due to the historic nature of the structure and the construction methods used.	3	Short term
Kitchen Entry	There is currently a 32" rise to the rear/kitchen entry of the Old Michigan Island Lighthouse. ABA F206, 303	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ➤ No action, create an accessible route to the main entry.	2	Short term
Second Tower: <i>The Second Tower is currently used for guided tours.</i> National Register of Historic Places				
Entry	There is currently a 34" rise to the entry of the Second Tower. ABA F206, 303	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ➤ No action at this time.	1	Long term

Entry	There is currently a 2" vertical rise at the threshold of the entry door. <i>ABA 404.2.5</i>	➤ Address the vertical rise at such time a ramp is added.	2	Long term
Interior-Shelf	There is currently a shelf inside the main level of the Second Tower near the entry door that protrudes 16" at a height of 54 1/2". <i>ABA F204.1, 307</i>	<input type="checkbox"/> Position an object below the shelf so it is no longer a protruding hazard. (The object will obstruct the maneuvering clearance at the door.) ➤ Remove the shelf.	2	Short term
Vault Toilet				
Vault Toilet	The vault toilet does not currently provide any features of accessibility.	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet.	1	Short term
Vault Toilet-Route	There is not currently an accessible route to the vault toilet. <i>ABA F206.2</i>	➤ Create an accessible route to the vault toilet from the light station.	2	Short term
Trail: <i>There are a total of 2 trails that are 1.5 miles in length at Michigan Island. JQP, Inc. was unable to evaluate the trails due to downed trees blocking the trails within 100 yards of the trailhead at the light station.</i> Gaylord Nelson Wilderness				
Trailhead-Sign	There is a sign at the trailhead indicating the distance to the campsite, sandspit and lagoon. The sign does not currently include information about the characteristics (width, slope, cross slope, etc) of the trail. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Trail	The trail is not currently accessible. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	➤ No action. The trail is within the Gaylord Nelson Wilderness.	1	Long term
Campsite: <i>There is 1 campsite located to the west of the light station on the sandspit.</i> Gaylord Nelson Wilderness				
Campsite	Currently no features of accessibility are provided at this campsite. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.1</i>	➤ No action. The campsite is within the Gaylord Nelson Wilderness.	1	Long term



1. APIS Michigan Island. Dock.



2. APIS Michigan Island. Light station.



3. APIS Michigan Island. Light station. Route from dock.



4. APIS Michigan Island. Light station. View of fire ring and picnic tables beyond.



5. APIS Michigan Island. Light station. Fee station location.



6. APIS Michigan Island. Old Michigan Island Lighthouse.



7. APIS Michigan Island. The Old Michigan Island Lighthouse main entry is not currently accessible.



8. APIS Michigan Island. Old Michigan Island Lighthouse. View of entry from interior.



9. APIS Old Michigan Island Lighthouse. Main entry knob style hardware.



10. APIS Old Michigan Island Lighthouse. Route to tower.



11. APIS Michigan Island Second Tower.



12. APIS Michigan Island Second Tower. Protruding shelf near entry.



13. APIS Michigan Island. Vault Toilet.



14. APIS Michigan Island. Trail conditions at time of site visit.



15. APIS Michigan Island. Existing trailhead sign.



16. APIS Michigan Island. Campsite

Oak Island

Survey Date: July 11, 2011

Tier: 2

Oak Island is the tallest of the Apostle Islands, at an elevation of 1,081 feet above sea level. There are individual and group campsites, a picnic area, and a quarters for park staff located on Oak Island. The campsites and dock are located on and around archeological sites. In 2010 park staff had informal contact with 1,868 visitors. Except campsites 2, 3, B and the staff quarters, Oak Island is part of the Gaylord Nelson Wilderness. The concession operated cruise service provides service to Oak Island from Bayfield on the Ashland Bayfield Express. Visitors also arrive at Oak Island by kayak, water taxi and private boat.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fee Station	The fee station is positioned near the dock, adjacent to the waysides. The slot of the fee station is currently facing the opposite direction from the edge of the 'deck' surrounding the waysides. ABA 305	<input type="checkbox"/> Relocate the fee station so it is positioned on an accessible route (possibly on the dock). ► Rotate the fee station one hundred eighty degrees (180°) in its existing location so the slot is within reach from the 'deck' surrounding the wayside.	3	Long term

Waysides	<p>A 3 panel wayside with a brochure box is positioned on shore near the end of the dock. There is a hexagon shaped 'deck' that surrounds the waysides. The route between the end of the dock and the waysides is currently compacted dirt. A firm and stable surface is not currently provided.</p> <p><i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i></p>	➤ Create a firm and stable surface to connect the dock to the waysides.	2	Long term
Route	<p>The route from the dock to campsites B, 2 and 3 is a compacted dirt trail. The route is steepest near the dock, where water diverters / stairs have been created.</p> <p><i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i></p>	➤ At such time a new trail is created, ensure it is accessible.	1	Long term
Picnic Area	<p>A day use picnic area with 1 picnic table and a fire ring is currently located near campsites 2 and B. The picnic table does not currently provide knee and toe clearance.</p> <p><i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i></p>	<input type="checkbox"/> Add an accessible picnic table. ➤ Replace the existing picnic table with a style that provides knee and toe clearance.	2	Long term
Campsites-route	<p>Campsites A, 1, 4 and 6 are located along trails that are not currently accessible.</p> <p><i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i></p>	➤ No action. These campsites are located within the Gaylord Nelson Wilderness.	1	Long term

Campsites- routes	Campsite 1 is located on the sandspit and has access directly from the beach. A boardwalk has been provided to connect the sand beach to the campsite. The boardwalk is 32" wide at the entry point, and 36" wide elsewhere. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	<input type="checkbox"/> At such time the boardwalk is replaced, ensure it is 36" wide minimum. ➤ No action. This campsite is located within the Gaylord Nelson Wilderness.	2	Long term
Group Campsites- A and B	Picnic tables (5 at A, 2 and B), fire ring and bear locker are provided at each of the group campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance at campsite B. ➤ No action. Provide accessible group camping at an alternate location (such as Sand Island or Stockton Island Quarry Bay).	2	Short term
Campsites	A picnic table, fire ring and bear locker are provided at each of the campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance at 1 of the campsites. ➤ No action. An accessible campsite is provided at Stockton Island Presque Isle.	2	Short term
Vault toilets	There are 4 vault toilets. The existing vault toilets do not currently provide any features of accessibility. The location near campsite 2 is a newer style. <i>ABA F213.2</i>	<input type="checkbox"/> Replace 1 of the existing vault toilets with an accessible style. ➤ Add an additional accessible vault toilet.	2	Long term
Vault toilet- door hardware	The newest vault toilet located near campsite 2 currently has knob style door hardware. <i>ABA 309</i>	➤ Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever).	2	Short term
Vault toilets- route	There are currently vertical rises ranging from 8"-15" from the ground surface up to the vault toilets. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Add a ramp to eliminate the rise at 1 location. <input type="checkbox"/> Build up the ground material around the vault toilet to eliminate the rise at 1 location. ➤ At such time the vault toilet is replaced, ensure there is no vertical rise.	1	Long term

Vault toilet-route	There is not currently an accessible route to any of the vault toilets. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	<input type="checkbox"/> Create an accessible route to 1 vault toilet. ➤ At such time the vault toilet is replaced, ensure an accessible route is provided.	1	Long term
Trail	There is a system of trails totaling 11.5 miles. The trail surface is varied and includes many steep segments. The majority of the trail is located within the Gaylord Nelson Wilderness. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	➤ No action. The trail is located within the Gaylord Nelson Wilderness.	3	Long term
Trailhead Sign	The sign at the trailhead does not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Staff Housing	The staff housing is not currently accessible. <i>ABA F233.4</i>	<input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility as required by ABAAS.	1	Long term



1. APIS Oak Island. Dock.



2. APIS Oak Island. Waysides near the dock. A wood deck has been created around the waysides and brochure box. There is not currently a route that connects the dock to the waysides.



3. APIS Oak Island. Fee station. The fee station is currently positioned so the slot is opposite the wood deck provided around the waysides.



4. APIS Oak Island. Route from dock to campsites 2-3. Timbers have been installed for water diversion due to the steep slope.



5. APIS Oak Island. Typical trail surface is compacted dirt.



6. APIS Oak Island. Boardwalk to campsite 1.



7. APIS Oak Island. Campsite 1 and boardwalk.



8. APIS Oak Island. Group site A.



9. APIS Oak Island. Typical route to campsites from trail.



10. APIS Oak Island. Route to campsite 4 from the beach.



11. APIS Oak Island. Route to vault toilet.



12. APIS Oak Island. Typical vault toilet.



13. APIS Oak Island. typical vault toilet.



14. APIS Oak Island. Newer vault toilet near campsite 2.



15. APIS Oak Island. Staff housing.

Basswood Island

Site Survey: July 11, 2011

Tier: 3

Basswood Island is the closest park island to Bayfield (Madeline Island is closer, but is not part of APIS). Amenities provided include a dock, vault toilets and campsites. The shoreline of the island is steep and rocky. Basswood Island is not included in the Gaylord Nelson Wilderness. The Basswood Quarry is listed on the National Register of Historic Places. Visitors currently arrive at Basswood Island by private boat, water taxi or kayak.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action Indicated by: ►)	Barrier Level	Timeframe
Fee Station and Waysides	There is a fee station and bulletin case located in the sand near the end of the dock. <i>HFC Programmatic Accessibility Guidelines</i>	<input type="checkbox"/> Add an Outdoor Recreation Access Route and approach to the fee station. ► Relocate the fee station to an accessible location (possibly the dock).	3	Short term
Waysides	There is a wayside panel located along the trail near the Brownstone Quarry. At the time of site visit there was no information on the panel. <i>HFC Programmatic Accessibility Guidelines</i>	► Create a firm, stable surface to approach the wayside at such time content is added to the sign.	2	Long term

Trailhead Sign	The sign at the trailhead does not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Campsites-1-4 route	Campsites 1-4 are located along trails that are not currently accessible. The route from the south landing closest to the campsites leads directly to wood stairs. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	<input type="checkbox"/> Create an Outdoor Recreation Access Route to 1 of the campsites. ➤ No action. An accessible campsite is provided at Stockton Island Presque Isle.	1	Long term
Campsites-1-4	A picnic table, fire ring and bear locker are provided at each of the 4 campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance at 1 of the campsites. ➤ No action. An accessible campsite is provided at Stockton Island Presque Isle.	2	Short term
Campsites-5-6, A route	Campsites 5-6 and A are located along trails that are not currently accessible. The route from the dock is steep and rocky. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	<input type="checkbox"/> Create an Outdoor Recreation Access Route to 1 of the campsites. ➤ No action. An accessible campsite is provided at Stockton Island Presque Isle.	1	Long term
Campsites-5-6, A	A picnic table (2 at group site A), fire ring and bear locker are provided at each of the 3 campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance at 1 of the campsites. ➤ No action. An accessible campsite is provided at Stockton Island Presque Isle.	2	Short term

Vault toilets	<p>There are 2 vault toilets. Both of the vault toilets are a newer style that provides features of accessibility, including grab bars, clearances and a wide door with lever style hardware. Currently there are 5 steps up to the toilet serving sites 1-4 and there is a 2" vertical change in elevation at the toilet serving sites 5-6, A.</p> <p><i>ABA F213.2</i></p>	<p>➤ Construct a ramp to create an accessible route to the toilet near sites 1-4.</p> <p>☐ Build up surface material around the location near sites 5-6, A to eliminate the 2" change in level.</p>	2	Long term
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1. APIS Basswood Island. View of dock. (See photo 10 for view of new dock.)



2. APIS Basswood Island. View of fee station and wayside, currently located in the grass and sand.



3. APIS Basswood Island. View of trail surface.



4. APIS Basswood Island. View of route to camping from South Landing.



5. APIS Basswood Island. View of wayside near quarry.



6. APIS Basswood Island. View of typical campsite, including picnic table and fire ring.



7. APIS Basswood Island. View of entry in to vault toilet (near group site A).



8. APIS Basswood Island. View of entry to vault toilet (near sites 1-4).



9. APIS Basswood Island. View of interior of vault toilet.



10. APIS Basswood Island. View of new dock. (The dock was replaced after site visit.)

Cat Island

Site Visit: July 13, 2011

Tier: 3

Cat Island is part of the Gaylord Nelson Wilderness. There is 1 campsite located at the south end of the island near the sandspit. Cat Island is currently the site of the only moldering privy within the park. There is no dock at Cat Island.



Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Boardwalk	A boardwalk has been provided as part of the route to the campsite and privy, beginning at the vegetation line. The boardwalk is 32" wide. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	□ At such time the boardwalk is replaced or if additional segments of boardwalk are added, ensure it is 36" wide minimum. ► No action. The boardwalk is located within the Gaylord Nelson Wilderness.	1	Long term
Campsite	A fire ring and bear locker are the only amenities provided at the campsite.	► No action. This campsite is located within the Gaylord Nelson Wilderness.	3	Long term
Moldering Privy- route	A moldering privy is provided near the campsite. The privy is raised 31" (must be raised to function correctly). <i>ABA F206.2</i>	□ Install a ramp to eliminate the 31" rise. ► No action. This privy is located within the Gaylord Nelson Wilderness.	1	Long term

Moldering Privy- route	There is not currently an accessible route to the moldering privy. The current route is sand and segments of 32" wide boardwalk. <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route to the moldering privy. ➤ No action. This privy is located within the Gaylord Nelson Wilderness.	1	Long term
Moldering Privy	The existing moldering privy does not currently provide any features of accessibility. The privy is 4' wide x 8' deep. <i>ABA F213.2</i>	<input type="checkbox"/> Replace the existing privy with an accessible style. ➤ Modify the existing privy to provide features of accessibility, including grab bars. <input type="checkbox"/> Add an additional accessible privy. <input type="checkbox"/> No action. This privy is located within the Gaylord Nelson Wilderness.	1	Long term



1. APIS Cat Island. The route from the beach to the campsite and moldering privy is sand and a wood boardwalk.



2. APIS Cat Island. The boardwalk is currently 32" wide.



3. APIS Cat Island. View of route to the campsite.



4. APIS Cat Island. View of campsite at Cat Island. Amenities provided include a bear locker and fire ring.



5. APIS Cat Island. View of moldering privy and route to privy.



6. APIS Cat Island. View of interior of the moldering privy.



7. APIS Cat Island. There is a 31" rise from the ground surface to the privy. The privy needs to be raised to allow for air circulation in order to function properly.

Ironwood Island

Site Visit: July 13, 2011

Tier: 3

Ironwood Island is part of the Gaylord Nelson Wilderness. There is 1 campsite located at the south end of the island, just beyond the vegetation line, in the sand. The campsite is located on/around an archeological site. There is no dock at Ironwood Island.



Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Campsite route	There are currently sand social trails from the beach to the campsite. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	► No action. The campsite is located within the Gaylord Nelson Wilderness.	1	Long term
Campsite	A picnic table, tent pad, fire ring and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	► No action. The campsite is located within the Gaylord Nelson Wilderness. Picnic tables are not typically provided within wilderness campsites.	2	Long term



1. APIS Ironwood Island. View of campsite, including picnic table and fire ring.



2. APIS Ironwood Island. View of tent pad at campsite. The ground surface within the campsite is sand.

Long Island

Site Survey: May 25, 2011

Tier: 3

Long Island is part of a long sandy barrier spit that extends from southeast to northwest across the mouth of Chequamegon Bay. There is a dock on the north side of the island near the LaPointe Light. The light tower and other structures are not currently open to visitors and there are no interpretive exhibits. The light station structures are listed on or are eligible for the National Register of Historic Places. Visitors currently arrive at Long Island by private boat, water taxi or kayak.



LaPointe



Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock: The dock is located at the northwest end of Long Island near the LaPointe Light Tower. The dock is currently 5' wide and 80' long.				
Dock	There is not currently an accessible route to the island from the dock. The dock currently ends in soft sand. ABA 1003.2, 401	► Create an accessible route to the island from the dock.	1	Long term
Route	There is not currently an accessible route from the site arrival point to the light station. There are sand dunes between the dock and the light station. Approximately 150' of 32" wide boardwalk is provided. ABA F206.2	► Create an accessible route from the dock to the light station by replacing and adding boardwalk.	1	Long term
Triplex: The Triplex is a former residence. It is currently boarded up. Qualified Historic Structure				
Triplex	There is currently a 6" rise to the side entry. ABA F206, 303	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ► No action at this time, this building is not currently used.	1	Long term
Triplex- Door Width	The clear opening of side entry door is currently 29 3/4". ABA 404.2.3	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. ► No action at this time, this building is not currently used.	3	Long term
Triplex- Door Hardware	The operable door hardware at the side entry is currently a knob style. ABA 309.4	<input type="checkbox"/> Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever). ► No action at this time, this building is not currently used.	2	Long term



1. APIS Long Island Dock. View of concrete dock.



2. APIS Long Island Dock. Currently ends in the sand.



3. APIS Long Island. Boardwalk. View of boardwalk. The sections of boardwalk do not currently cover the entire distance from the dock to the light station.



4. APIS Long Island. Boardwalk.



5. APIS Long Island. Triplex.



6. APIS Long Island. Triplex. There is not currently an accessible entry.

Otter Island

Site Survey: July 13, 2011

Tier: 3

The majority of Otter Island is part of the Gaylord Nelson Wilderness, the dock and campsite are outside the wilderness boundary (and built on or around archeological sites). The dock at Otter Island is "C" shaped and is usable on 3 sides. Visitors currently arrive at Otter Island by private boat, water taxi or kayak.



Dock Area

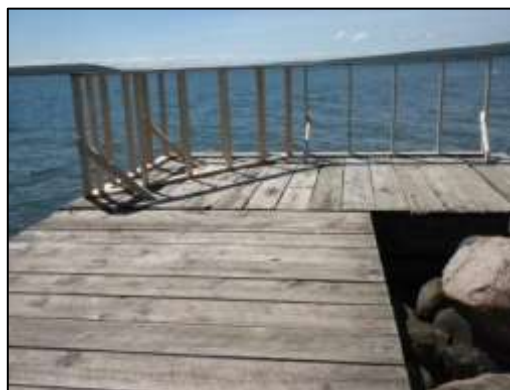


Item	Deficiency	□ Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fee Station	The fee station is positioned near the end of the dock. A clear ground space is not currently provided to approach the fee station. <i>ABA 304.2</i>	<input type="checkbox"/> Relocate the fee station so it is positioned on an accessible route. ► Add to the dock so the fee station is located on an accessible route.	3	Long term
Picnic Area	A picnic area with a picnic table and a fire ring is located in sand near the end of the dock. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Add an accessible picnic table at an accessible location. ► Replace the existing picnic table with a style that provides knee and toe clearance.	2	Short term
Campsite route	The route from the dock to the campsite is mostly flat and has a sandy surface. The surface is not currently firm and stable. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	► Add a boardwalk from the end of the dock to the camp site to create an Outdoor Recreation Access Route (ORAR).	3	Long term
Campsite	A picnic table, fire ring and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	► Replace the existing picnic table with a style that provides knee and toe clearance.	2	Short term
Campsite	The surface within the campsite is mostly flat with some tree roots and rocks within the circulation space. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.2</i>	► Clear the tree roots and rocks from the ground surface within the campsite to create a firm, stable surface.	2	Short term
Vault toilet	The existing vault toilet does not currently provide any features of accessibility. It is 38" wide x 48" deep and provides a 24 1/2" clear door opening. <i>ABA F213.2</i>	► Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet.	2	Long term

Vault toilet-route	There is currently a 12" vertical rise up to the vault toilet. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input type="checkbox"/> Add a ramp to eliminate the 12" rise. <input type="checkbox"/> Build up the ground material around the vault toilet to eliminate the 12" rise. ➤ At such time the vault toilet is replaced, ensure there is no vertical rise.	1	Long term
Vault toilet-route	There is not currently an accessible route to the vault toilet. The current route includes a short section of boardwalk. <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route to the vault toilet. ➤ At such time the vault toilet is replaced, ensure an accessible route is provided.	2	Long term
Trailhead-Sign	There is a sign at the trailhead indicating the distance to the North Overlook. The sign does not currently include information about the characteristics (width, slope, cross slope, etc) of the trail. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Trail	The trail is approximately 2 miles long. The surface is a relatively wide (overgrown at time of site visit) and flat compacted dirt surface. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017.1</i>	➤ No action. The trail is located within the Gaylord Nelson Wilderness.	3	Long term



1. APIS Otter Island. View of dock.



2. APIS Otter Island. View of dock, the corner of the dock was damaged at the time of site visit. A wood structure was constructed to prevent use of that corner of the dock, the structure still provides a clear width for an accessible route.



3. APIS Otter Island. The fee station is located near the end of the dock. A clear ground space is not currently provided.



4. APIS Otter Island. A picnic area with a table and a fire ring is provided near the end of the dock.



5. APIS Otter Island. View of campsite. Campsite amenities include a table, fire ring and bear box. The site is mostly flat with a compacted surface.



6. APIS Otter Island. View of vault toilet. The toilet does not currently provide any features of accessibility.



7. APIS Otter Island. View of trail. The trail is located in the Gaylord Nelson Wilderness.

Outer Island

Site Survey: May 25, 2011

Tier: 3

Outer Island is located 20 miles from the mainland. There is a light station located at the north end of the island which is served by a dock. Trails lead from the light station to 2 former logging camps and the sandspit at the south end of the island. Everything except for the light station is in the Gaylord Nelson Wilderness. Due to the remote location, there is minimal visitation. The light tower and structures are not currently open to visitors and the only interpretive exhibit is an old routed wood panel. All of the light station structures, including the dock, are listed or eligible for the National Register of Historic Places. Visitors currently arrive at outer Island by private boat, water taxi or kayak.



Light Station



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock: <i>The dock is located at the north end of Outer Island. The dock is currently 300' long (approximately 60' closest to the steps and 80' near the end of the dock are usable) the dock is usable on one side only.</i> National Register of Historic Places				
Dock	There are currently vertical changes in level up to 4" where the sections of concrete come together. <i>ABA 1003.2, 401</i>	► Repair the dock to eliminate the 4" vertical change.	2	Long term
Light Station: National Register of Historic Places				
Light Station-Route	The route around the light station is currently concrete slab. The slabs of concrete connecting the Fog Signal building to the Tower and Keepers Quarters are 30" wide by 48" long. <i>ABA 403.5.1</i>	<input type="checkbox"/> Remove and replace the concrete slabs with a firm, stable, slip resistant surface that is 36" wide minimum. ► Add additional width to concrete slabs by adding new precast units adjacent to existing to achieve an accessible width.	3	Long term
Light Station-Route	There is not currently an accessible route from the site arrival point to the light station. There are 97 steps from the dock up to the light station. <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route from the dock to the light station using a mechanical device. <input type="checkbox"/> Create an accessible route from the dock to the light station with a ramp system. ► No action at this time. Provide an accessible light station experience at an alternate location.	1	Long term
Light Station-Picnic	There is currently a picnic table and fire pit located in the grass of the light station. The picnic table does not currently provide a wheelchair accessible position. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Add an accessible picnic table at an accessible location. <input type="checkbox"/> Replace the existing picnic tables with an accessible style. ► At such time the existing picnic tables are in need of replacement, replace with a style that is accessible and is located on an Outdoor Recreation Access Route.	2	Long term
Tower and Keepers Quarters: <i>The Tower and Keepers Quarters are not currently open to the public. The building is currently used to house employees/volunteers as needed.</i> National Register of Historic Places				
Tower and Keepers Quarters-Entry	There is currently a 6 1/2" rise to the kitchen entry. <i>ABA F206, 303</i>	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ► No action at this time, this building is not currently occupied.	1	Long term
Tower and Keepers Quarters-Entry	The clear opening of kitchen entry door is currently 31". <i>ABA 404.2.3</i>	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. ► No action at this time, 31" is considered 'usable by' the majority of individuals with disabilities.	3	Long term

Tower and Keepers Quarters-Entry	There is currently a 4" vertical rise at the threshold of the vestibule entry. <i>ABA 404.2.5</i>	➤ Address the vertical rise at such time a ramp is added.	3	Long term
Tower and Keepers Quarters-Entry	The clear opening of vestibule is currently 31" (door has been removed). <i>ABA 404.2.3</i>	<input type="checkbox"/> Remove and replace the door with a style that provides a 32" minimum clear opening. ➤ No action at this time, 31" is considered 'usable by' the majority of individuals with disabilities.	3	Long term
Tower and Keepers Quarters-Door Hardware	The operable door hardware at the kitchen is currently a knob style. <i>ABA 309.4</i>	<input type="checkbox"/> Replace the knob style hardware with a style that does not require tight grasping, pinching or twisting of the wrist to operate (such as a lever). ➤ No action at this time, the building is not currently occupied.	2	Long term
Fog Signal Building National Register of Historic Places				
Fog Signal-Entry	There is currently a 14" rise at the entry. <i>ABA F206, 303</i>	<input type="checkbox"/> Construct a ramp with a 1:12 maximum slope. Include required handrails and edge protection. <input type="checkbox"/> Construct a 'ramp' with a 1:20 maximum slope. ➤ No action at this time, this building is not currently occupied.	1	Long term
Fog Signal-Entry	A single leaf of the double door currently provides a 28 1/2" clear opening. <i>ABA 404.2.3</i>	<input type="checkbox"/> Remove and replace the doors with a style that provides a single leaf with a 32" minimum clear opening. ➤ No action at this time, opening both doors provides a 32" clear opening.	3	Long term
Fog Signal-Entry	There is currently a 1 1/2" rise at the threshold of the entry vestibule. <i>ABA 404.2.5</i>	<input type="checkbox"/> Address the rise at such time a ramp is added. ➤ No action at this time, this building is not currently occupied.	2	Long term
Fog Signal-Interior	There is not currently an interior accessible route. The positioning of permanent equipment and structural columns reduces the clear width to less than 32" at multiple locations. <i>ABA 403.5</i>	➤ No action at this time, this building is not currently occupied.	2	Long term
Vault Toilet- Light Station				
Vault Toilet	The vault toilet does not currently provide any features of accessibility.	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional, accessible vault toilet.	1	Long term
Vault Toilet-Route	There is not currently an accessible route to the vault toilet. <i>ABA F206.2</i>	➤ Create an accessible route to the vault toilet.	2	Long term

Trail: <i>There is a trail from the light station at the north end of Outer Island to the sandspit at the south end. A spur trail connects to the east side of Outer Island. The total trail length is 8.7 miles.</i> Gaylord Nelson Wilderness				
Trail	The trail is not currently accessible. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F247</i>	➤ No action. The trail is within the Gaylord Nelson Wilderness.	1	Long term
Trailhead Sign	The sign at the trailhead does not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	➤ At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Campsite: <i>There is 1 campsite located at the south end of the island on the sandspit.</i> Gaylord Nelson Wilderness				
Campsite	Currently no features of accessibility are provided at this campsite. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.1</i>	➤ No action. The campsite is within the Gaylord Nelson Wilderness.	1	Long term
Vault Toilet: <i>There is a vault toilet serving the campsite.</i>				
Vault Toilet	The existing vault toilet does not currently provide any features of accessibility. It is 40 1/2" wide x 52" deep and provides a 21" clear door opening. <i>ABA F213.2</i>	<input type="checkbox"/> No action. The campsite is within the Gaylord Nelson Wilderness. ➤ Replace the existing vault toilet with an accessible toilet facility.	1	Long term
Vault toilet-route	The current route is sand and is not accessible. <i>ABA F206.2</i>	<input type="checkbox"/> Create an outdoor recreation access route to the vault toilet. ➤ No action. This vault toilet is located within the Gaylord Nelson Wilderness.	1	Long term



1. APIS Outer Island. Dock.



2. APIS Outer Island. Dock.



3. APIS Outer Island. Dock. Abrupt changes in level (up to 4") where sections of concrete come together.



4. APIS Outer Island. Light station.



5. APIS Outer Island. Light station. Route from the dock to the light station.



6. APIS Outer Island. Light station. View of existing fire ring.



7. APIS Outer Island. Tower and Keepers Quarters.



8. APIS Outer Island. Tower and Keepers Quarters. View of kitchen entry.



9. APIS Outer Island. Tower and Keepers Quarters. View of kitchen entry from interior. Note knob style hardware and lip at the vestibule.



10. APIS Outer Island. Fog Signal Building.



11. APIS Outer Island. Fog Signal Building. View of main entry.



12. APIS Outer Island. Fog Signal Building. There is not currently an interior accessible route.



13. APIS Outer Island. Vault Toilet. View of existing vault toilet.



14. APIS Outer Island. Trail.



15. APIS Outer Island. Trail.



16. APIS Outer Island. Campsite



17. APIS Outer Island. Vault toilet at campsite.

Rocky Island

Site Survey: July 12, 2011

Tier: 3

The majority of Rocky Island is part of the Gaylord Nelson Wilderness, but the dock and 5 of the 7 campsites are outside the wilderness boundary. Near the dock Rocky Island has a day use picnic area as well as a building that has been used as staff housing. The campsites, vault toilets, dock and building are located near archeological sites. Visitors currently arrive at Rocky Island by private boat, water taxi or kayak.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Fee Station and Waysides	There is a fee station and bulletin case located in the grass at the end of the dock. <i>ABA 302</i>	► Add an accessible route and approach to the fee station. <input type="checkbox"/> Relocate the fee station to an accessible location (possibly the dock).	3	Short term
Trailhead Sign	The sign at the trailhead does not currently include information about the characteristics (width, slope, cross slope, etc.) of the trail. <i>Draft Accessibility Guidelines for outdoor Developed Areas 1017.11</i>	► At such time the trailhead sign is replaced, provide additional information about the characteristics of the trail.	3	Long term
Picnic Area	A picnic area with 3 picnic tables, grill and fire ring is located in the grass near the end of the dock. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Add an accessible picnic table at an accessible location. ► Replace the existing picnic table with a style that provides knee and toe clearance and is located on an Outdoor Recreation Access Route (ORAR).	2	Short term
Campsite route- 1	Campsite 1 is accessed primarily from the beach. A section of 32" wide boardwalk has been provided. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	► At such time the boardwalk is replaced or if additional segments of boardwalk are added, ensure it is 36" wide minimum.	2	Long term
Campsite 1	A picnic table, fire ring and bear locker are provided at the campsite. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance. ► No action at this location. Provide accessible camping at an alternate location.	2	Short term
Campsite route- 2-3	Campsites 2-3 are located off of a trail to the south of the dock. The trail surface is currently uneven and overgrown. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017</i>	<input type="checkbox"/> Create an accessible trail to the campsites. ► No action at this location. Provide accessible camping at an alternate location.	3	Long term

Campsites-2-3	A picnic table, fire ring and bear locker are provided at each of the campsites and a tent pad is provided at sites 2 and 3. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance. ➤ No action at this location. Provide accessible camping at an alternate location.	2	Short term
Campsite route- 4-7	Campsites 4-7 are located off of a trail to the north of the dock. The trail is mostly flat along the lake but the route up to the individual sites is steep and the route is overgrown. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1017</i>	<input type="checkbox"/> Create an accessible trail to the campsites. ➤ No action at this location. Provide accessible camping at an alternate location.	3	Long term
Campsites-4-7	A picnic table, fire ring and bear locker are provided at each of the campsites and a tent pad is provided at sites 5 and 6. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	<input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance. ➤ No action at this location. Provide accessible camping at an alternate location.	2	Short term
Vault toilet-picnic area	The 2 existing vault toilets do not currently provide any features of accessibility. <i>ABA F213.2</i>	➤ The vault toilets near the picnic area were replaced after the site visit.	2	Long term
Vault toilet-picnic area	There is not currently an accessible route to the vault toilets from the dock. The current route includes 10 stairs. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	➤ Create an Outdoor Recreation Access Route (ORAR) to the vault toilets.	1	Long term
Vault toilet-campsites 1-3	The existing vault toilet does not currently provide any features of accessibility. It is 43" wide x 46" deep and provides a 19" clear door opening. <i>ABA F213.2</i>	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet.	2	Long term

Vault toilet-campsites 1-3	There is currently a 18" vertical rise up to the vault toilet. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input type="checkbox"/> Add a ramp to eliminate the 18" rise. <input type="checkbox"/> Build up the ground material around the vault toilet to eliminate the 18" rise. ➤ At such time the vault toilet is replaced, ensure there is no vertical rise.	1	Long term
Vault toilet-campsites 1-3	There is not currently an accessible route to the vault toilets from the campsites. The route is steep with many tree roots and rocks. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	➤ Create an Outdoor Recreation Access Route (ORAR) to the vault toilets.	1	Long term
Vault toilet-campsites 6-7	The existing vault toilet does not currently provide any features of accessibility. It is 43" wide x 46" deep and provides a 19" clear door opening. <i>ABA F213.2</i>	➤ Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet.	1	Long term
Vault toilet-campsites 6-7	There is currently a 12" vertical rise up to the vault toilet. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input type="checkbox"/> Add a ramp to eliminate the 12" rise. <input type="checkbox"/> Build up the ground material around the vault toilet to eliminate the 12" rise. ➤ At such time the vault toilet is replaced, ensure there is no vertical rise.	1	Long term
Vault toilet-campsites 6-7	There is not currently an accessible route to the vault toilets from the campsites. The route is steep with many tree roots and rocks. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	➤ Create an Outdoor Recreation Access Route (ORAR) to the vault toilets.	1	Long term
Staff Housing	The staff housing is not currently accessible. <i>ABA F233.4</i>	<input type="checkbox"/> Remodel the staff housing to provide features of accessibility, including creating an accessible entry. ➤ At such time remodeling occurs, provide features of accessibility as required by ABAAS.	1	Long term



1. APIS Rocky Island. View of dock.



2. APIS Rocky Island. View of wayside and fee station. Stairs to the new vault toilets visible on the right side of the photo.



3. APIS Rocky Island. View of picnic area in grass.



4. APIS Rocky Island. Route to campsites. (Typical sites 4-7)



5. APIS Rocky Island. Typical campsite amenities, including picnic table and fire ring.



6. APIS Rocky Island. Campsite 1 provides direct access from the beach.



7. APIS Rocky Island. Route to vault toilets serving camping.



8. APIS Rocky Island. View of typical vault toilet.



9. APIS Rocky Island. View of typical vault toilet interior.



10. APIS Rocky Island. View of the double vault toilet serving picnic and dock area. These vault toilets will be removed once the new ones are installed.



11. APIS Rocky Island. View of new vault toilets to be installed to serve the picnic and dock area.



12. APIS Rocky Island. View of staff housing.



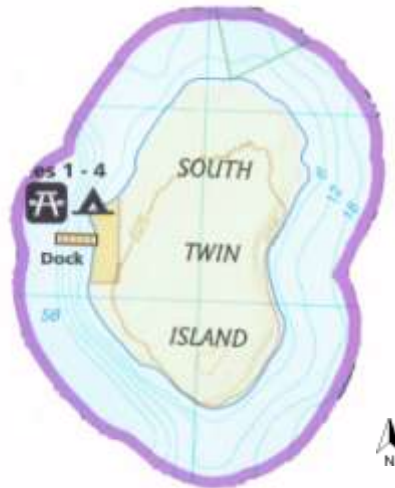
13. APIS Rocky Island. View of new vault toilets (installation completed after site visit).

South Twin Island

Site Survey: July 13, 2011

Tier: 3

The majority of South Twin Island is part of the Gaylord Nelson Wilderness, but the dock and campsites are outside the wilderness boundary. In addition to 4 campsites, South Twin Island provides a day use picnic area. Visitors currently arrive at South Twin Island by private boat, water taxi or kayak.



Dock Area



Picnic Area

Fire Ring

Campsite 1

Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Dock	A wood "L" shaped dock is provided. Currently some of the boards are loose, creating a potential tripping hazard with a vertical change in level. <i>ABA 303</i>	➤ No action. The dock was replaced in Summer 2011 (after site inspection) and the loose boards were addressed at that time.	3	Long term
Picnic Area	A picnic area with 1 picnic table is currently located at the north end of the boardwalk. The picnic table does not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ Add an accessible picnic table. <input type="checkbox"/> Replace the existing picnic table with a style that provides knee and toe clearance.	2	Short term
Fire Ring	A fire ring surrounded by 6 benches with a nearby picnic table is provided near the boardwalk in the sand. A section of 32" wide roll-up boardwalk has been added, but does not extend all the way to the fire ring area. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F245.5</i>	➤ Extend (or add an additional) roll-up boardwalk to create an Outdoor Recreation Access Route, connecting the boardwalk to the fire ring area.	2	Short term
Campsites-route	A boardwalk runs north-south along the developed area of the island. Each of the 4 campsites is located off of the boardwalk on a dirt or sand foot path. Campsite 1 is the closest to the existing boardwalk, campsites 2-4 are further from the boardwalk and have a steeper route. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	➤ Add a segment of boardwalk to connect campsite 1 to the existing boardwalk (~25') to create an Outdoor Recreation Access Route (ORAR) to 1 campsite.	2	Long term

Campsites	A picnic table, fire ring and bear locker are provided at each of the 4 campsites. The picnic tables do not currently provide knee and toe clearance. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1011.4</i>	➤ Replace the existing picnic table with a style that provides knee and toe clearance at campsite 1.	2	Short term
Campsite	The surface within the campsites is mostly flat with some tree roots and rocks within the circulation space. <i>Draft Accessibility Guidelines for Outdoor Developed Areas F244.5</i>	➤ Clear the tree roots and rocks from the ground surface within campsite 1 to create a firm, stable surface.	2	Short term
Vault toilets	There are 5 vault toilets (1 single, 2 doubles). The existing vault toilets do not currently provide any features of accessibility. They are approximately 38" wide x 48" deep and provides a 25" clear door opening. <i>ABA F213.2</i>	➤ Replace 1 of the existing vault toilets with an accessible style (recommended at the south, single location near campsite 1). <input type="checkbox"/> Add an additional accessible vault toilet at a location served by an Outdoor Recreation Access Route (ORAR).	2	Long term
Vault toilets-route	There are currently vertical rises ranging from 2" - 6" from the ground surface up to the vault toilets. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.5</i>	<input type="checkbox"/> Add a ramp to eliminate the 6" rise at the south location near campsite 1. <input type="checkbox"/> Build up the ground material around the vault toilet to eliminate the 6" rise at the south location near campsite 1. ➤ At such time the vault toilet is replaced, ensure there is no vertical rise.		Long term
Vault toilet-route	There is not currently an accessible route to any of the vault toilets. The location near campsite 1 is the closest to the existing boardwalk and has minimal grade change. <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route to the vault toilet. ➤ At such time the vault toilet is replaced, ensure an accessible route is provided.		Long term



1. APIS South Twin Island. View of dock. The dock was replaced in Summer 2011, after site inspection. (See photos 11 and 12)



2. APIS South Twin Island. View of vertical change along dock surface. The dock was replaced in Summer 2011, after site inspection. (See photos 11 and 12)



3. APIS South Twin Island. View of the fire ring area. A segment of rolled boardwalk has been provided but does not connect to the main boardwalk.



4. APIS South Twin Island. View of the picnic area located at the end of the boardwalk. The picnic table does not provide knee and toe clearance.



5. APIS South Twin Island. Route to campsite 1 from the boardwalk. The route is short and flat but does not currently have a firm and stable surface.



6. APIS South Twin Island. Route to campsites 2-4 (typical).



7. APIS South Twin Island. View of typical campsite.



8. APIS South Twin Island. View of single vault toilet, near campsite 1.



9. APIS South Twin Island. View of typical double vault toilet.



10. APIS South Twin Island. Interior view of typical vault toilet.



11. APIS South Twin Island. View of new dock.



12. APIS South Twin Island. View of new dock.

York Island

Site Visit: July 13, 2011

Tier: 3

York Island is part of the Gaylord Nelson Wilderness. There are 3 campsites along the bay on the north side of the island that are accessed directly from the sand beach. There is no dock at York Island. The island is regularly used by kayakers, but also visited by water taxi and private boat.



Item	Deficiency	<input type="checkbox"/> Possible Solutions (recommended action indicated by: ►)	Barrier Level	Timeframe
Campsite routes	A short section of boardwalk has been provided from the sand beach directly in to each of the 3 campsites. The boardwalk is 32" wide at site 3 and 36" wide at sites 1 and 2. <i>Draft Accessibility Guidelines for Outdoor Developed Areas 1016.3</i>	<input type="checkbox"/> At such time the boardwalk is replaced or if additional segments of boardwalk are added, ensure it is 36" wide minimum. ► No action. The boardwalk is located within the Gaylord Nelson Wilderness.	2	Long term
Campsites	A fire ring and bear locker are the only amenities provided at the 3 campsites.	► No action. The campsites are located within the Gaylord Nelson Wilderness.	2	Long term
Vault toilet	The existing vault toilet does not currently provide any features of accessibility. It is 40 1/2" wide x 52" deep and provides a 21" clear door opening. <i>ABA F213.2</i>	► Replace the existing vault toilet with an accessible style. <input type="checkbox"/> Add an additional accessible vault toilet. <input type="checkbox"/> No action. This vault toilet is located within the Gaylord Nelson Wilderness.	1	Long term

Vault toilet-route	There is not currently an accessible route to the vault toilet. The current route is sand and segments of 32" wide boardwalk. <i>ABA F206.2</i>	<input type="checkbox"/> Create an accessible route to the vault toilet. ➤ No action. This vault toilet is located within the Gaylord Nelson Wilderness.	1	Long term
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1. APIS York Island. View of route to campsite 2 (routes to sites 1 and 3 are similar).



2. APIS York Island. View of campsite. Amenities include fire ring and bear locker. The surface within the campsite is sand.



3. APIS York Island. View of boardwalk system.



4. APIS York Island. View of vault toilet. No features of accessibility provided at this time.

Attachments

Mechanical Devices for Light Station Access Consideration

§17.550 Program Accessibility: Existing Facilities

NEPA / NHPA

Action Taken

Design Standards

- Waysides
- Docks (Recreational Boating Facilities)
- Picnic Tables
- Outdoor Recreation Access Routes (ORAR)

Mechanical Devices for Light Station Access Consideration

Goal:

To create an accessible route that complies with ABAAS F402 from the site arrival point (dock) to the light station at Raspberry, Michigan and Outer Islands. These islands have 75, 123 and 97 risers respectively from the dock to the light station.

Why:

There are 2 separate issues triggering the need for an accessible route.

- ☐ Program Access. In order to provide program access to the experience of a light station an accessible route to the light station is needed. Currently there is not an accessible route to a light station at any of the islands. When viewing the program of light stations in their entirety, a minimum of 1 light station needs to be on an accessible route. The light station at Raspberry Island currently provides the most in-depth interpretive programming. If an accessible route cannot be provided, programmatic accessibility is required.
- ☐ Alteration. Raspberry Island Light Station underwent restoration in 2007; Michigan and Outer Islands are scheduled for some rehabilitation work. ABAAS F202.4, F202.5 requires providing a "path of travel" to an alteration containing a primary function.

Challenges:

There are many challenges to providing an accessible route at any of these locations.

- ☐ All of the light stations are designated as historic, the stairs from the dock are a contributing factor to the historic designation. ABAAS F205.2 provides for exceptions when the State Historic Preservation Officer or the Advisory Council on Historic Preservation agrees that compliance with requirements for the specific element would threaten or destroy the historic significance of the building or facility.
- ☐ Cost. Both program access requirements and ABAAS F202.4 acknowledge cost limitations.
 - Program access does not require any modification that would create an undue financial burden.
 - ABAAS F202.4 recognizes that the cost of providing an accessible path of travel should not be disproportionate to the overall cost of the alteration. Generally the cost should not exceed 20% of the alteration.
- ☐ There is limited power available on the island to operate a mechanical device.
- ☐ The device would be exposed to the harsh elements of Lake Superior. In order to ensure that the device remains operational, a structure may need to be constructed to house the device.
- ☐ Ongoing maintenance and inspection could potentially create an undue administrative burden for the park, especially due to the remote location of the device and the need to use a boat to access it (program access does not require any modification that would create an undue administrative burden).

Products Evaluated:

A number of "off the shelf" lifts were evaluated to see if they would function at any of the islands. The products evaluated would not work for the following reasons:

- ☐ The distance from the dock to the light station exceeds the maximum travel distance of the device.
- ☐ The device was intended for indoor use.

Company:

A company out of Duluth, MN was identified that can custom engineer a device that would provide an accessible route from the dock to the light station, as well as providing ongoing maintenance of the device.

Arrow Lift
205 West 2nd Street, Suite 200
Duluth, MN 55802
www.arrow-lift.com

Recommended Action:

- ☐ Evaluation of the device recommended by Arrow Lift, Inc. for initial cost, ongoing operations and maintenance, impact on historic character, etc. does not allow a recommendation to implement this device at this time.
- ☐ Satisfy the requirement for program access by:
 - providing an accessible route to the Sand Island light station, which is the most feasible, although the park will need to obtain develop funding to implement. (Timeframe: Immediate)
 - Promote lighthouse interpretive materials at the park Visitor Center (Timeframe: Immediate)
 - Develop "virtual tour" programmatic access and make available at Visitor Center and on the park's website for each light station. (Timeframe: Immediate)

43 CFR §17.550

(a) General. The agency shall operate each program or activity so that the program or activity, when viewed in its entirety, is readily accessible to and usable by handicapped persons. This paragraph does not—

- (1) Necessarily require the agency to make each of its existing facilities or every part of a facility accessible to and usable by handicapped persons;
- (2) In the case of historic preservation programs, require the agency to take any action that would result in a substantial impairment of significant historic features of an historic property; or
- (3) Require the agency to take any action that it can demonstrate would result in a fundamental alteration in the nature of a program or activity or in undue financial and administrative burdens. In those circumstances where agency personnel believe that the proposed action would fundamentally alter the program or activity or would result in undue financial and administrative burdens, the agency has the burden of proving that compliance with § [17.550\(a\)](#) would result in such an alteration or burdens. The decision that compliance would result in such alteration or burdens must be made by the agency head or his or her designee after considering all agency resources available for use in the funding and operation of the conducted program or activity, and must be accompanied by a written statement of the reasons for reaching that conclusion. If an action would result in such an alteration or such burdens, the agency shall take any other action that would not result in such an alteration or such burdens but would nevertheless ensure that handicapped persons receive the benefits and services of the program or activity.

(b) Methods—

(1) General. The agency may comply with the requirements of this section through such means as redesign of equipment, reassignment of services to accessible locations, assignment of aides to beneficiaries, home visits, delivery of services at alternate accessible sites, alteration of existing facilities and construction of new facilities, use of accessible rolling stock, or any other methods that result in making its programs or activities readily accessible to and usable by handicapped persons. The agency is not required to make structural changes in existing facilities where other methods are effective in achieving compliance with this section. The agency, in making alterations to existing buildings, shall meet accessibility requirements to the extent compelled by the Architectural Barriers Act of 1968, as amended ([42 U.S.C. 4151-415](#) 7) and any regulations implementing it. In choosing among available methods for meeting the requirements of this section, the agency shall give priority to those methods that offer programs and activities to qualified handicapped persons in the most integrated setting appropriate.

(2) Historic preservation programs. In meeting the requirements of paragraph (a) of this section in historic preservation programs, the agency shall give priority to methods that provide physical access to handicapped persons. In cases where a physical alteration to an historic property is not required because of paragraph (a)(2) or (a)(3) of this section, alternative, methods of achieving program accessibility include—

- (i) Using audio-visual materials and devices to depict those portions of an historic property that cannot otherwise be made accessible.
- (ii) Assigning persons to guide handicapped persons into or through portions of historic properties that cannot otherwise be made accessible; or
- (iii) Adopting other innovative methods.

(3) Recreation programs. In meeting the requirements of paragraph (a) in recreation programs, the agency shall provide that the program or activity, when viewed in its entirety, is readily accessible to and usable by handicapped persons. When it is not reasonable to alter natural and physical features, accessibility may be achieved by alternative methods as noted in paragraph (b)(1) of this sec

NEPA / NHPA

NEPA compliance for this plan is covered under Categorical Exclusion 3.3R, adoption or approval of surveys, studies, reports, plans and similar documents which will result in recommendations or proposed actions which would cause no or only minimal environmental impact. In addition, as the Transition Plan includes a series of short and long-term recommendations, many for which funding has not yet been secured, additional NEPA compliance and Section 106 compliance review for these undertakings will occur on a case-by-case basis at the appropriate time. For example, the access ramp and doorway recommendations for Michigan Island's Old Lighthouse have been reviewed for Section 106 compliance and will be implemented under the 2012 light station preservation line-item construction project, but compliance for Sand Island light will be considered when that project is funded and ready for review.

The list of historic structures changes over time. The most up-to-date information on the historic status of structures can be found on the NPS List of Classified Structures. In addition to historic structures there are many examples of archeological, landscape and ethnographic resources in the park.

Action Taken by Apostle Islands National Lakeshore

It is anticipated that the issues identified in this report will be addressed by incorporation into other planned work and maintenance projects or by projects undertaken specifically to improve accessibility. It is beneficial to track and document when action has been taken on issues identified in this report. A template for documenting completed projects has been provided and one has been filled out for a project that was completed after the accessibility site visit as a sample.

Action Taken by Apostle Islands National Lakeshore

Location:

Deficiency:

Action Taken:

Photograph(s), sketch or notes documenting completed work:

Submitted by:

Date:

Action Taken by Apostle Islands National Lakeshore

Location: Raspberry Island, Light Station

Deficiency: Vault Toilet Accessibility

Action Taken: 2 of the vault toilets were replaced with an accessible model

Photograph(s), sketch or notes documenting completed work:



Submitted by:

Date:

Design Standards

A summary of the design standards for the following features have been provided:

- Waysides
- Docks / Recreational Boating
- Picnic Tables
- Outdoor Recreation Access Routes (ORAR)

The complete requirements for these features and other features provided in the park can be found in the following publications (all available online from the Denver Service Center or US Access Board):

- Architectural Barriers Act Accessibility Standards
- Draft Final Accessibility Guidelines for Outdoor Developed Areas
- Programmatic Accessibility Guidelines for National Park Service Interpretive Media

Waysides

Design standards for waysides- both for the format and content of the information provided and the location of the wayside- have been established by the Harpers Ferry Center in section 9 of the *Programmatic Accessibility Guidelines for National Park Service Interpretive Media*.

Location:

- ☐ Installed at wheelchair-accessible locations whenever possible
- ☐ Installed at heights and angles favorable for viewing by all visitors:
 - Low-profile exhibits (angled at 30 or 45 degrees)- 32" from the bottom of the exhibit frame to finished grade
 - Upright exhibits and bulletin boards- 24"-36" from the bottom of the exhibit frame to finished grade (depending on panel size)
- ☐ Have level, firm, hard-surfaced and slip-resistant exhibit pads
 - Typically 30"x48" minimum

Docks (Recreational Boating Facilities)

Scoping

F235 Recreational Boating Facilities

F235.1 General. Recreational boating facilities shall comply with F235.

F235.2 Boat Slips. Boat slips complying with 1003.3.1 shall be provided in accordance with Table F235.2. Where the number of boat slips is not identified, each 40 feet (12 m) of boat slip edge provided along the perimeter of the pier shall be counted as one boat slip for the purpose of this section.

F235.2 Boat Slips	
Total Number of Boat Slips Provided in Facility	Minimum Number of Required Accessible Boat Slips
1 to 25	1
26 to 50	2
51 to 100	3
101 to 150	4
151 to 300	5
301 to 400	6
401 to 500	7
501 to 600	8
601 to 700	9
701 to 800	10
801 to 900	11
901 to 1000	12
1001 and over	12, plus 1 for every 100, or fraction thereof, over 1000

Advisory F235.2 Boat Slips. The requirement for boat slips also applies to piers where boat slips are not demarcated. For example, a single pier 25 feet (7620 mm) long and 5 feet (1525 mm) wide (the minimum width specified by Section 1003.3) allows boats to moor on three sides. Because the number of boat slips is not demarcated, the total length of boat slip edge (55 feet, 17 m) must be used to determine the number of boat slips provided (two). This number is based on the specification in Section F235.2 that each 40 feet (12 m) of boat slip edge, or fraction thereof, counts as one boat slip. In this example, Table F235.2 would require one boat slip to be accessible.

F235.2.1 Dispersion. Boat slips complying with 1003.3.1 shall be dispersed throughout the various types of boat slips provided. Where the minimum number of boat slips required to comply with 1003.3.1 has been met, no further dispersion shall be required.

Advisory F235.2.1 Dispersion. Types of boat slips are based on the size of the boat slips; whether single berths or double berths, shallow water or deep water, transient or longer-term lease, covered or uncovered; and whether slips are equipped with features such as telephone, water, electricity or cable connections. The term "boat slip" is intended to cover any pier area other than launch ramp boarding piers where recreational boats are moored for purposes of berthing, embarking, or disembarking. For example, a fuel pier may contain boat slips, and this type of short term slip would be included in determining compliance with F235.2.

F235.3 Boarding Piers at Boat Launch Ramps. Where boarding piers are provided at boat launch ramps, at least 5 percent, but no fewer than one, of the boarding piers shall comply with 1003.3.2.

Technical Requirements

1003 Recreational Boating Facilities

1003.1 General. Recreational boating facilities shall comply with 1003.

1003.2 Accessible Routes. Accessible routes serving recreational boating facilities, including gangways and floating piers, shall comply with Chapter 4 except as modified by the exceptions in 1003.2.

1003.2.1 Boat Slips. Accessible routes serving boat slips shall be permitted to use the exceptions in 1003.2.1.

EXCEPTIONS: 1. Where an existing gangway or series of gangways is replaced or altered, an increase in the length of the gangway shall not be required to comply with 1003.2 unless required by 202.4.

2. Gangways shall not be required to comply with the maximum rise specified in 405.6.

3. Where the total length of a gangway or series of gangways serving as part of a required accessible route is 80 feet (24 m) minimum, gangways shall not be required to comply with 405.2.
4. Where facilities contain fewer than 25 boat slips and the total length of the gangway or series of gangways serving as part of a required accessible route is 30 feet (9145 mm) minimum, gangways shall not be required to comply with 405.2.
5. Where gangways connect to transition plates, landings specified by 405.7 shall not be required.
6. Where gangways and transition plates connect and are required to have handrails, handrail extensions shall not be required. Where handrail extensions are provided on gangways or transition plates, the handrail extensions shall not be required to be parallel with the ground or floor surface.
7. The cross slope specified in 403.3 and 405.3 for gangways, transition plates, and floating piers that are part of accessible routes shall be measured in the static position.
8. Changes in level complying with 303.3 and 303.4 shall be permitted on the surfaces of gangways and boat launch ramps.

Advisory 1003.2.1 Boat Slips Exception 3. The following example shows how exception 3 would be applied: A gangway is provided to a floating pier which is required to be on an accessible route. The vertical distance is 10 feet (3050 mm) between the elevation where the gangway departs the landside connection and the elevation of the pier surface at the lowest water level. Exception 3 permits the gangway to be 80 feet (24 m) long. Another design solution would be to have two 40 foot (12 m) plus continuous gangways joined together at a float, where the float (as the water level falls) will stop dropping at an elevation five feet below the landside connection. The length of transition plates would not be included in determining if the gangway(s) meet the requirements of the exception.

1003.2.2 Boarding Piers at Boat Launch Ramps. Accessible routes serving boarding piers at boat launch ramps shall be permitted to use the exceptions in 1003.2.2.

EXCEPTIONS: 1. Accessible routes serving floating boarding piers shall be permitted to use Exceptions 1, 2, 5, 6, 7 and 8 in 1003.2.1.

2. Where the total length of the gangway or series of gangways serving as part of a required accessible route is 30 feet (9145 mm) minimum, gangways shall not be required to comply with 405.2.

3. Where the accessible route serving a floating boarding pier or skid pier is located within a boat launch ramp, the portion of the accessible route located within the boat launch ramp shall not be required to comply with 405.

1003.3 Clearances. Clearances at boat slips and on boarding piers at boat launch ramps shall comply with 1003.3.

Advisory 1003.3 Clearances. Although the minimum width of the clear pier space is 60 inches (1525 mm), it is recommended that piers be wider than 60 inches (1525 mm) to improve the safety for persons with disabilities, particularly on floating piers.

1003.3.1 **Boat Slip Clearance.** Boat slips shall provide clear pier space **60 inches** (1525 mm) wide minimum and at least as long as the boat slips. Each 10 feet (3050 mm) maximum of linear pier edge serving boat slips shall contain at least one continuous clear opening 60 inches (1525 mm) wide minimum.

EXCEPTIONS: 1. Clear pier space shall be permitted to be 36 inches (915 mm) wide minimum for a length of 24 inches (610 mm) maximum, provided that multiple 36 inch (915 mm) wide segments are separated by segments that are 60 inches (1525 mm) wide minimum and 60 inches (1525 mm) long minimum.

2. Edge protection shall be permitted at the continuous clear openings, provided that it is 4 inches (100 mm) high maximum and 2 inches (51 mm) wide maximum.

3. In existing piers, clear pier space shall be permitted to be located perpendicular to the boat slip and shall extend the width of the boat slip, where the facility has at least one boat slip complying with 1003.3, and further compliance with 1003.3 would result in a reduction in the number of boat slips available or result in a reduction of the widths of existing slips.

Advisory 1003.3.1 Boat Slip Clearance Exception 3. Where the conditions in exception 3 are satisfied, existing facilities are only required to have one accessible boat slip with a pier clearance which runs the length of the slip. All other accessible slips are allowed to have the required pier clearance at the head of the slip. Under this exception, at piers with perpendicular boat slips, the width of most "finger piers" will remain unchanged. However, where mooring systems for floating piers are replaced as part of pier alteration projects, an opportunity may exist for increasing accessibility. Piers may be reconfigured to allow an increase in the number of wider finger piers, and serve as accessible boat slips.

Figure 1003.3.1 Boat Slip Clearance

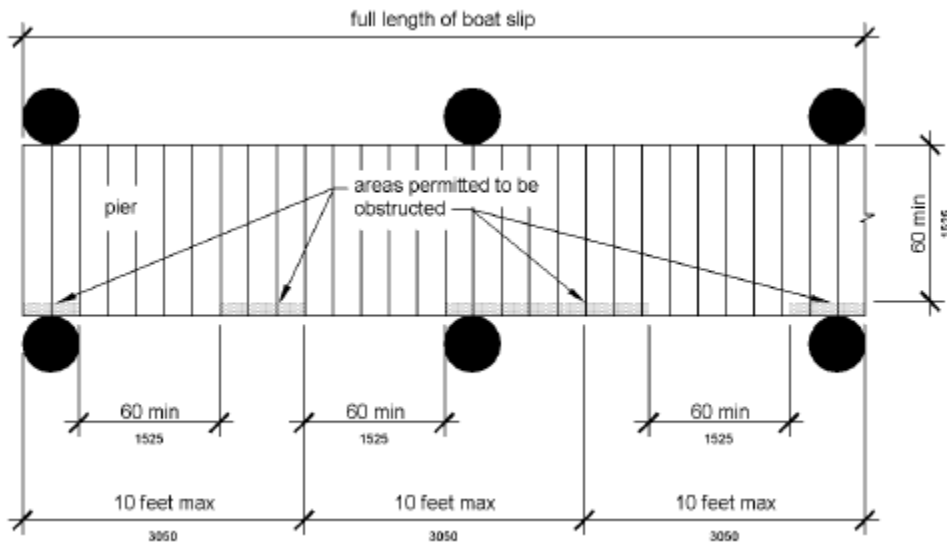


Figure 1003.3.1 (Exception 1) Clear Pier Space Reduction at Boat Slips

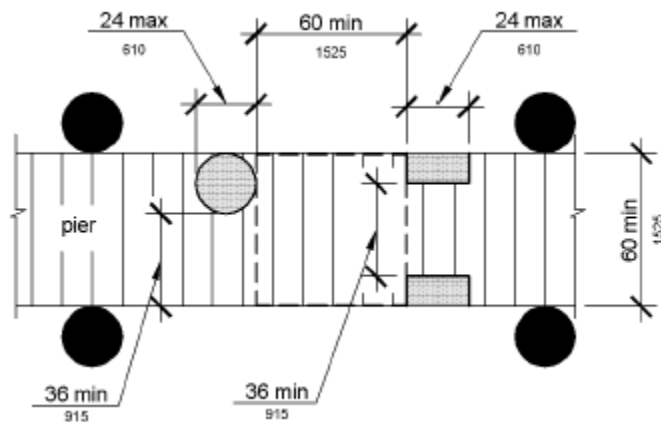
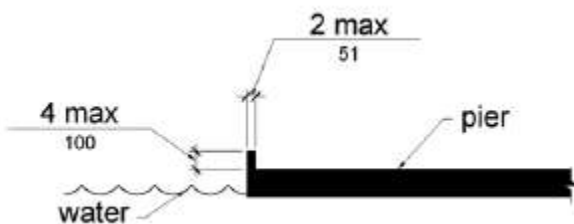


Figure 1003.3.1 (Exception 2) Edge Protection at Boat Slips



1003.3.2 Boarding Pier Clearances. Boarding piers at boat launch ramps shall provide clear pier space 60 inches (1525 mm) wide minimum and shall extend the full length of the boarding pier. Every 10 feet (3050 mm) maximum of linear pier edge shall contain at least one continuous clear opening 60 inches (1525 mm) wide minimum.

EXCEPTIONS: 1. The clear pier space shall be permitted to be 36 inches (915 mm) wide minimum for a length of 24 inches (610 mm) maximum provided that multiple 36 inch (915 mm) wide segments are separated by segments that are 60 inches (1525 mm) wide minimum and 60 inches (1525 mm) long minimum.

2. Edge protection shall be permitted at the continuous clear openings provided that it is 4 inches (100 mm) high maximum and 2 inches (51 mm) wide maximum.

Advisory 1003.3.2 Boarding Pier Clearances. These requirements do not establish a minimum length for accessible boarding piers at boat launch ramps. The accessible boarding pier should have a length at least equal to that of other boarding piers provided at the facility. If no other boarding pier is provided, the pier would have a length equal to what would have been provided if no access requirements applied. The entire length of accessible boarding piers would be required to comply with the same technical provisions that apply to accessible boat slips. For example, at a launch ramp, if a 20 foot (6100 mm) long accessible boarding pier is provided, the entire 20 feet (6100 mm) must comply with the pier clearance requirements in 1003.3. Likewise, if a 60 foot (18 m) long accessible boarding pier is provided, the pier clearance requirements in 1003.3 would apply to the entire 60 feet (18 m).

The following example applies to a boat launch ramp boarding pier: A chain of floats is provided on a launch ramp to be used as a boarding pier which is required to be accessible by 1003.3.2. At high water, the entire chain is floating and a transition plate connects the first float to the surface of the launch ramp. As the water level decreases, segments of the chain end up resting on the launch ramp surface, matching the slope of the launch ramp.

Figure 1003.3.2 Boarding Pier Clearance

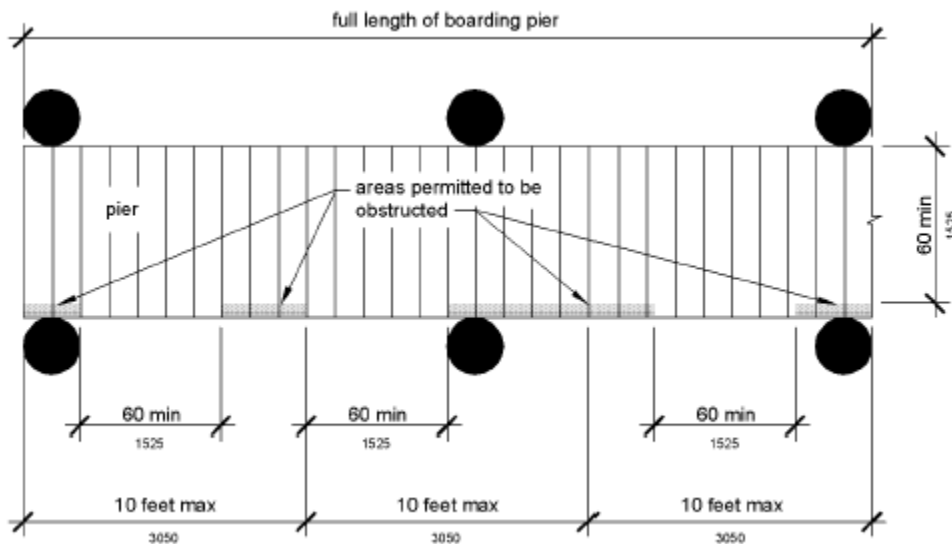


Figure 1003.3.2 (Exception 1) Clear Pier Space Reduction at Boarding Piers

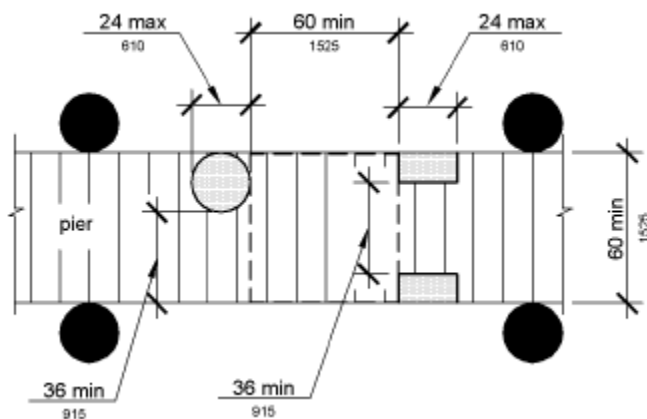
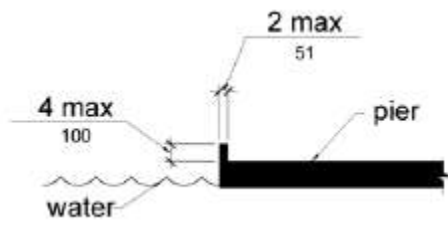


Figure 1003.3.2 (Exception 2) Edge Protection at Boarding Piers



Picnic Tables

Scoping

F245 Picnic Facilities

F245.1 General. Picnic facilities, other than picnic facilities on trails, shall comply with F245.

Advisory F245.1 General. Picnic facilities on trails are addressed in F247.5.2.

F245.2 Picnic Units. Picnic facilities shall provide accessible picnic units in accordance with F245.2.

F245.2.1 Minimum Number. Newly constructed picnic facilities shall provide accessible picnic units in accordance with F245.2.1.

F245.2.1.1 Picnic Facilities with Two or Fewer Picnic Units. Where picnic facilities contain two or fewer picnic units, each picnic unit shall be accessible.

F245.2.1.2 Picnic Facilities with More Than Two Picnic Units. Where picnic facilities contain more than two picnic units, at least 20 percent but not less than two of the picnic units shall be accessible.

F245.2.2 Alterations. Where picnic units are altered or added, the requirements of F245.2 shall apply only to the picnic units that are altered or added until the number of accessible picnic units complies with the minimum number required for new construction.

EXCEPTION: Where an entity is implementing a transition plan developed pursuant to regulations issued under Section 504 of the Rehabilitation Act that designates specific picnic units to comply with F245.2, the entity shall not be required to comply with F245.2 when altering individual outdoor constructed features or spaces in picnic units that are not designated to comply with F245.2.

Advisory F245.2.2 Alterations Exception. This exception addresses the situation where a picnic facility does not provide the minimum required number of accessible picnic units, and individual outdoor constructed features or spaces within picnic units are altered. Where a Federal agency is implementing a transition plan that designates specific picnic units to become accessible, the Federal agency is not required to comply with F245.2 when altering individual outdoor constructed features or spaces within picnic units that are not designated to become accessible under the transition plan. The exception does not apply where all the outdoor constructed features and spaces within a picnic unit are altered. Where all the outdoor constructed features and spaces within a picnic unit are altered, the altered picnic unit is required to comply with F245.2 unless the minimum required number of accessible picnic units is provided.

F245.2.3 Dispersion. Accessible picnic units shall provide choices of picnic units comparable to, and integrated with, those available to others.

F245.2.4 Accessible Picnic Units. Accessible picnic units shall comply with F245.2.4.

EXCEPTION: Where accessible picnic units contain more than one parking space or outdoor constructed feature of the same type, no more than 20 percent but not less than two of the parking spaces or outdoor constructed features of the same type shall be required to comply with F245.2.4.

Advisory F245.2.4 Accessible Picnic Units. Accessible picnic units are not required to be identified by signs. Entities should provide information on the location of accessible picnic units on websites, in brochures, and at bulletin boards or information kiosks at the picnic facility.

F245.2.4.1 Outdoor Constructed Features. Where provided within accessible picnic units, outdoor constructed features shall comply with 1011.

F245.2.4.2 Parking Spaces. Where provided within accessible picnic units, parking spaces shall comply with 1012.3, 1012.4, and 1012.5.

F245.3 Outdoor Constructed Features in Common Use and Public Use Areas. Where provided in common use and public use areas that serve accessible picnic units, at least 20 percent but not less than one of each type of outdoor constructed feature provided at each location shall comply with 1011.

F245.4 Outdoor Recreation Access Routes. Picnic facilities shall provide outdoor recreation access routes complying with 1016 where required by F245.4.

Advisory F245.4. Outdoor Recreation Access Route. In alterations to existing picnic facilities, there are exceptions in 1016.1 that can be used where conditions specified in 1019 apply.

F245.4.1 Within Accessible Picnic Units. At least one outdoor recreation access route shall connect accessible outdoor constructed features, elements, spaces, and facilities within each accessible picnic unit.

F245.4.2 Common Use and Public Use Areas. At least one outdoor recreation access route shall connect each accessible picnic unit with accessible outdoor constructed features, elements, spaces, and facilities in common use and public use areas within the picnic facility that serve the accessible picnic unit.

F245.4.3 Adjacent Recreation Facilities. Where a circulation path connects picnic facilities and adjacent recreation facilities, at least one outdoor recreation access route shall connect accessible picnic units within the picnic facility to an accessible route serving the adjacent recreation facility.

Advisory F245.4.3 Adjacent Recreation Facilities. F245.4.3 does not modify the accessible route requirements in F206.2.1, F206.2.4, and F206.2.8 through F206.2.16 that apply to adjacent recreation facilities.

F245.4.4 Location. Outdoor recreation access routes required by F245.4.2 and F245.4.3 shall coincide with or be located in the same area as general circulation paths.

Advisory F245.4.4 Location. Where a vehicular way serves as the general circulation path for pedestrians at a picnic facility, the outdoor recreation access route can be provided within the vehicular way.

Technical Requirements

1011.2 Clear Ground Space. A clear ground space complying with 1011.2 shall be provided at outdoor constructed features.

EXCEPTIONS: 1. Where individual outdoor constructed features are altered and the ground surface is not altered, the clear ground space shall not be required to comply with 1011.2.2 and 1011.2.3.

2. In alterations, where a condition in 1019 does not permit full compliance, the clear ground space shall comply with 1011.2 to the maximum extent feasible.

1011.2.1 Size and Location. The size and location of the clear ground space shall be in accordance with Table 1011.2.1.

Unless otherwise specified in Table 1011.2.1, one full unobstructed side of the clear ground space shall adjoin or overlap an outdoor recreation access route or a trail, as applicable, or another clear ground space.

Table 1011.2.1 Clear Ground Space

Outdoor Constructed Feature	Minimum Size and Location
Picnic tables	36 inches (915 mm) along all usable sides of the table measured from the back edge of the benches

Advisory 1011.2.1 Size and Location. The usable sides of picnic tables, fire rings, grills, fireplaces, and woodstoves are the sides of the outdoor constructed feature that can be used for eating or serving food, building a fire, or cooking. All sides of picnic tables are generally usable, unless the picnic table is placed against a rock or tree that renders the side against the rock or tree not usable. All sides of fire rings and grills are generally usable, unless there is a wall or other structure on a side that renders the side not usable. The front sides of fireplaces and woodstoves are generally the usable side.

1011.2.2 Surface. The surface of the clear ground space shall be firm and stable.

Advisory 1011.2.2 Surface. A stable surface remains unchanged by applied force so that when the force is removed, the surface returns to its original condition. A firm surface resists deformation by indentations.

1011.2.3 Slope. The slope of the clear ground space surface shall not be steeper than 1:48 in any direction.

EXCEPTION: When the surface is other than asphalt, concrete, or boards, slopes not steeper than 1:33 shall be permitted where necessary for drainage.

1011.2.4 Openings. Openings in the clear ground space surface shall comply with 302.3.

1011.4 Picnic Tables. Picnic tables shall provide at least one wheelchair space for each 24 linear feet (7320 mm) of usable table surface perimeter. Wheelchair spaces shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

Wheelchair spaces shall be positioned for a forward approach to the table and provide knee and toe clearance complying with 306 under the table.

306 Knee and Toe Clearance

306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with 306. Additional space shall not be prohibited beneath an element but shall not be considered as part of the clear floor or ground space or turning space.

Advisory 306.1 General. Clearances are measured in relation to the usable clear floor space, not necessarily to the vertical support for an element. When determining clearance under an object for required turning or maneuvering space, care should be taken to ensure the space is clear of any obstructions.

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

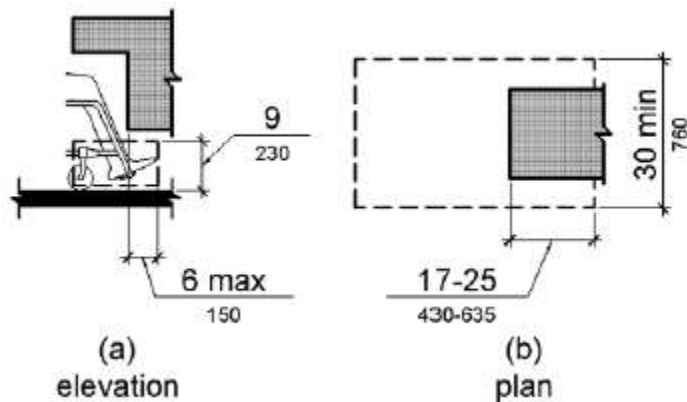
306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

Figure 306.2 Toe Clearance



306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

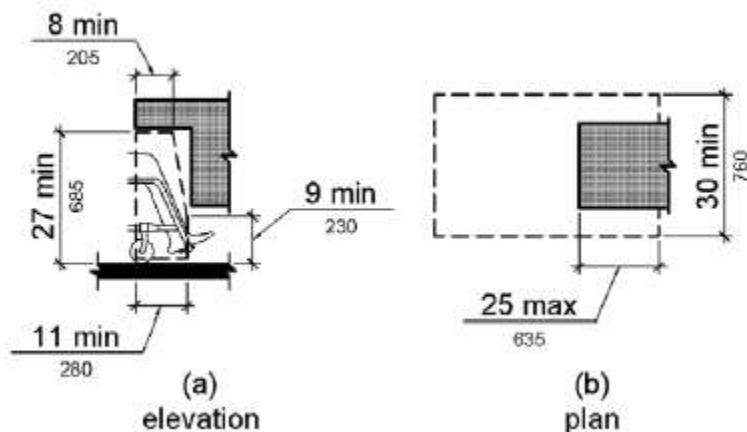


Figure 306.3 Knee Clearance

Outdoor Recreation Access Routes (ORAR)

Outdoor Recreation Access Routes are provided in the following locations:

- ☐ Camping Facilities
- ☐ Picnic Facilities
- ☐ Viewing Areas
- ☐ Outdoor constructed features provided on trails

1016 Outdoor Recreation Access Routes

1016.1 General. Outdoor recreation access routes shall comply with 1016.

EXCEPTIONS: 1. In alterations to existing camping facilities, picnic facilities, and trailheads where a condition in 1019 does not permit full compliance with a specific requirement in 1016 on a portion of an outdoor recreation access route, that portion of the outdoor recreation access route shall comply with the specific requirement to the maximum extent feasible.

2. At viewing areas, where a condition in 1019 does not permit full compliance on a portion of an outdoor recreation access route with a specific requirement in 1016, that portion of the outdoor recreation access route shall comply with the specific requirement to the maximum extent feasible.

3. Where outdoor recreation access routes are provided within vehicular ways, outdoor recreation access routes shall not be required to comply with 1016.4, 1016.7, and 1016.8.

1016.2 Surface. The surface of outdoor recreation access routes and their related passing spaces and resting intervals shall be firm and stable.

Advisory 1016.2 Surface. A stable surface remains unchanged by applied force so that when the force is removed, the surface returns to its original condition. A firm surface resists deformation by indentations.

1016.3 Clear Width. The clear width of outdoor recreation access routes shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

1016.4 Passing Spaces. Outdoor recreation access routes with a clear width less than 60 inches (1525 mm) shall provide passing spaces complying with 1016.4 at intervals of 200 feet (61 m) maximum. Passing spaces and resting intervals shall be permitted to overlap.

Advisory 1016.4 Passing Spaces. Entities should consider providing either a 60 inches (1525 mm) minimum clear width on outdoor recreation access routes, or passing spaces at shorter intervals if the clear width is less than 60 inches (1525 mm), where an outdoor recreation access route is:

- Heavily used;
- Adjoins outdoor constructed features that are heavily used;
- A boardwalk; or
- Not at the same level as the ground surface adjoining the outdoor recreation access route.

1016.4.1 Size. The passing space shall be either:

1. A space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum; or
2. The intersection of two outdoor recreation access routes providing a T-shaped space complying with 304.3.2 where the base and the arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection. Vertical alignment at the intersection of the outdoor recreation access routes that form the T-shaped space shall be nominally planar.

1016.5 Obstacles. Obstacles on outdoor recreation access routes and their related passing spaces and resting intervals shall comply with 1016.5.

1016.5.1 Concrete, Asphalt, or Boards. Where the surface is concrete, asphalt, or boards, obstacles shall not exceed ½ inch (13 mm) in height measured vertically to the highest point.

1016.5.2 Other Surfaces. Where the surface is other than specified in 1016.5.1, obstacles shall not exceed 1 inch (25 mm) in height measured vertically to the highest point.

Advisory 1016.5 Obstacles. The vertical alignment of joints in concrete, asphalt, or board surfaces can be obstacles. Natural features such as tree roots and rocks on outdoor recreation access routes can also be obstacles. Where an outdoor recreation access route is provided within a vehicular way, traffic calming devices can be obstacles. Where possible, obstacles on outdoor recreation access routes should be separated by a distance of 48 inches (1220 mm) minimum so persons who use wheelchairs can maneuver around the obstacles.

1016.6 Openings. Openings in the surface of outdoor recreation access routes and their related passing spaces and resting intervals shall comply with 302.3.

Advisory 1016.6 Openings. Spaces between the boards in a boardwalk and drainage grates are examples of openings. Where possible, drainage grates should be located outside the minimum clear width of the outdoor recreation access route.

1016.7 Slopes. The slopes of outdoor recreation access routes shall comply with 1016.7.

1016.7.1 Running Slope. The running slope of any segment of an outdoor recreation access route shall not be steeper than 1:10. Where the running slope of a segment of an outdoor recreation access route is steeper than 1:20, the maximum length of the segment shall be in accordance with Table 1016.7.1, and a resting interval complying with 1016.8 shall be provided at each end of the segment.

Table 1016.7.1 Running Slope and Resting Intervals

Running Slope of Segment of Outdoor Recreation Access Route		Maximum Length of Segment
Steeper than	But not Steeper than	
1:20	1:12	50 feet (15 m)
1:12	1:10	30 feet (9 m)

Advisory 1016.7.1 Running Slope. Running slope can also be expressed as a percentage (grade).

1016.7.2 Cross Slope. The cross slope shall comply with 1016.7.2.

1016.7.2.1 Concrete, Asphalt, or Boards. Where the surface is concrete, asphalt, or boards, the cross slope shall not be steeper than 1:48.

1016.7.2.2 Other Surfaces. Where the surface is other than specified in 1016.7.2.1, the cross slope on other surfaces shall not be steeper than 1:33.

1016.8 Resting Intervals. Resting intervals shall comply with 1016.8.

1016.8.1 Length. The resting interval length shall be 60 inches (1525 mm) long minimum.

1016.8.2 Width. Where resting intervals are provided within an outdoor recreation access route, resting intervals shall be at least as wide as the widest segment of the outdoor recreation access route leading to the resting interval. Where resting intervals are provided adjacent to an outdoor recreation access route, the resting interval clear width shall be 36 inches (915 mm) minimum.

1016.8.3 Slope. Resting intervals shall have a slope complying with 1016.8.3.

1016.8.3.1 Concrete, Asphalt, or Boards. Where the surface is concrete, asphalt, or boards, the slope shall not be steeper than 1:48 in any direction.

1016.8.3.2 Other Surfaces. Where the surface is other than specified in 1016.8.3.1, the slope on other surfaces shall not be steeper than 1:33 in any direction.

1016.8.4 Turning Space. Where resting intervals are provided adjacent to an outdoor recreation access route, a turning space complying with 304.3.2 shall be provided. Vertical alignment between the outdoor recreation access route, turning space, and resting interval shall be nominally planar.

1016.9 Protruding Objects. Constructed elements on outdoor recreation access routes and their related resting intervals and passing spaces shall comply with 307.

Advisory 1016.9 Protruding Objects. Protruding objects on outdoor recreation access routes and their related resting intervals and passing spaces can be hazardous for persons who are blind or have low vision. Signs and other post mounted objects are examples of constructed elements that can be protruding objects.

Glossary of Abbreviations

ABA	Architectural Barriers Act
ABAAS	Architectural Barriers Act Accessibility Standards
ADA	Americans with Disabilities Act
API	Asset Priority Index
APIS	Apostle Islands National Lakeshore
GMP	General Management Plan
GSA	General Services Administration
HFC	Harpers Ferry Center
LCS	List of Classified Structures
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NPS	National Park Service
NRHP	National Register of Historic Places
ORAR	Outdoor Recreation Access Route
PVGA	Draft Passenger Vessels Accessibility Guidelines
UFAS	Uniform Federal Accessibility Standards
TTY	Text Telephone (also known as a TDD or Telecommunication Device for the Deaf)

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This Self Evaluation and Transition Plan for Apostle Islands National Lakeshore is the end result of a nearly year-long effort by many people, including:

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